



Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 05:11 AM EST

PDB ID : 5VKG
BMRB ID : 30285
Title : Solution-state NMR structural ensemble of human Tsg101 UEV in complex with tenatoprazole
Authors : Strickland, M.; Ehrlich, L.S.; Watanabe, S.; Khan, M.; Strub, M.-P.; Luan, C.H.; Powell, M.D.; Leis, J.; Tjandra, N.; Carter, C.
Deposited on : 2017-04-21

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
Mogul	:	2022.3.0, CSD as543be (2022)
buster-report	:	1.1.7 (2018)
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

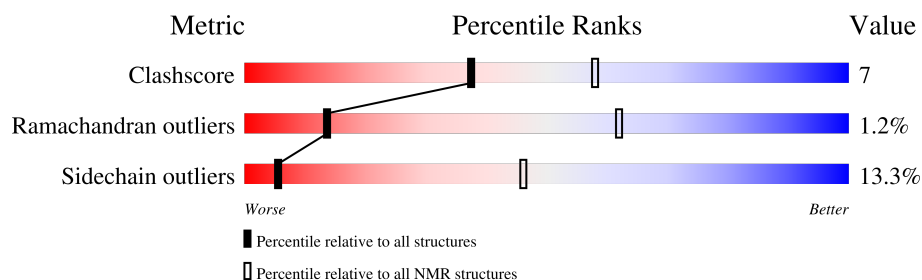
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 86%.

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	145	 72% 18% • 8% •

2 Ensemble composition and analysis

This entry contains 20 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:3-A:42, A:50-A:142 (133)	0.47	2

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 3 clusters and 4 single-model clusters were found.

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

3 Entry composition [i](#)

There are 2 unique types of molecules in this entry. The entry contains 2386 atoms, of which 1201 are hydrogens and 0 are deuteriums.

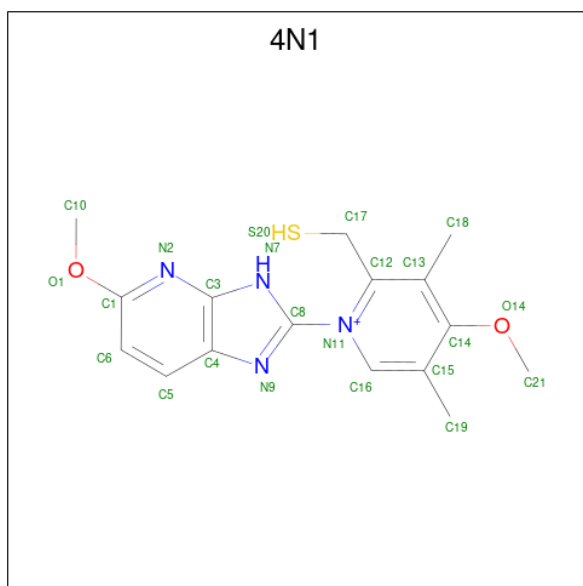
- Molecule 1 is a protein called Tumor susceptibility gene 101 protein.

Mol	Chain	Residues	Atoms						Trace
1	A	144	Total	C	H	N	O	S	0
			2345	757	1183	188	211	6	

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	MET	engineered mutation	UNP Q99816

- Molecule 2 is 4-methoxy-1-(5-methoxy-3H-imidazo[4,5-b]pyridin-2-yl)-3,5-dimethyl-2-(sulfa nylmethyl)pyridin-1-ium (three-letter code: 4N1) (formula: C₁₆H₁₉N₄O₂S).



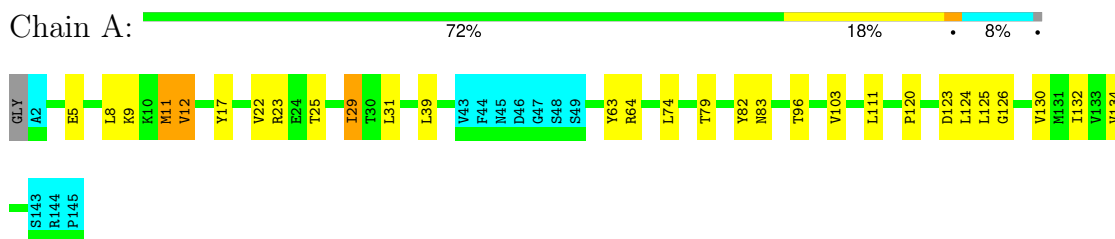
Mol	Chain	Residues	Atoms					
2	A	1	Total	C	H	N	O	S
			41	16	18	4	2	1

4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Tumor susceptibility gene 101 protein

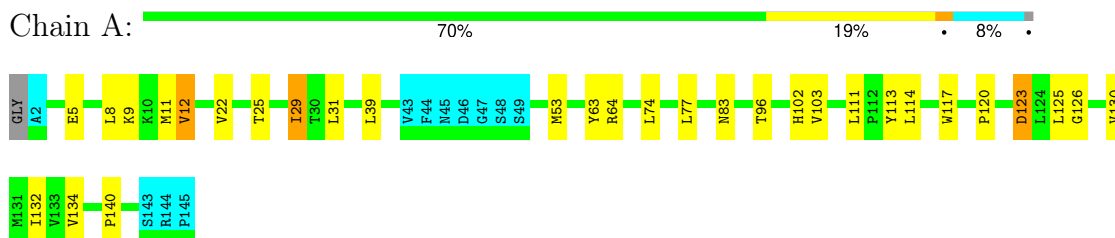


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

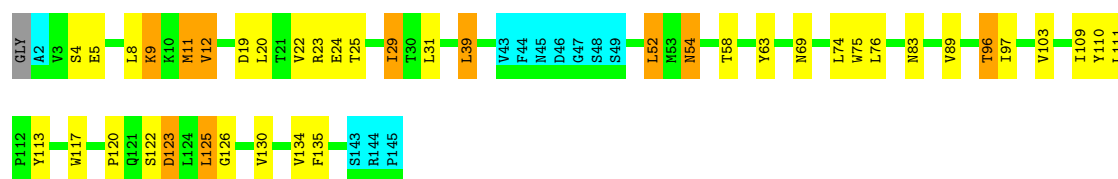
- Molecule 1: Tumor susceptibility gene 101 protein



4.2.2 Score per residue for model 2 (medoid)

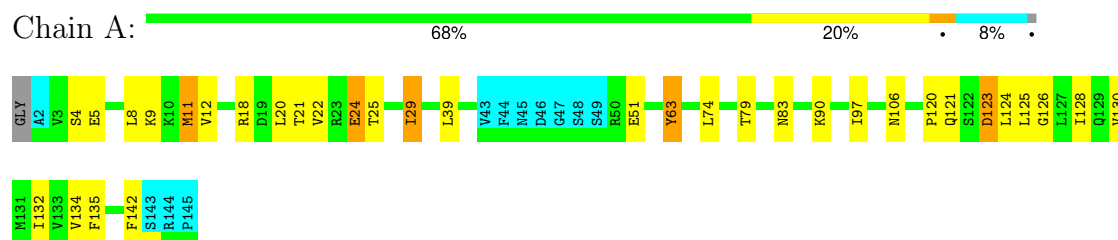
- Molecule 1: Tumor susceptibility gene 101 protein





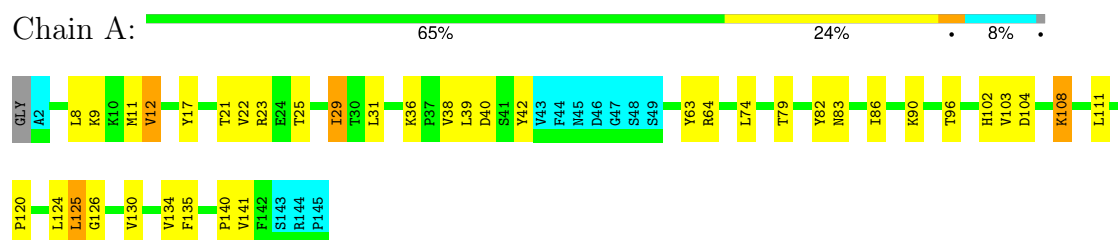
4.2.3 Score per residue for model 3

- Molecule 1: Tumor susceptibility gene 101 protein



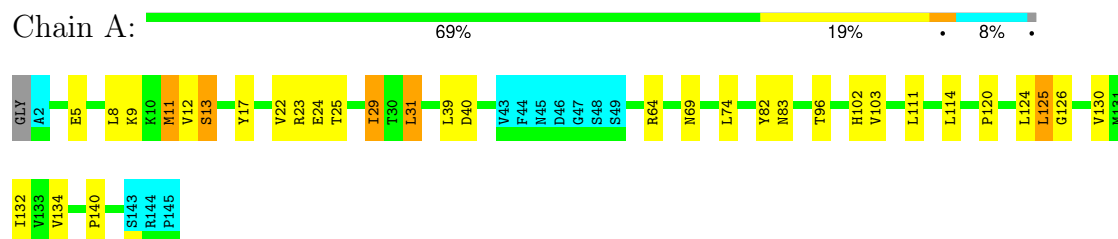
4.2.4 Score per residue for model 4

- Molecule 1: Tumor susceptibility gene 101 protein



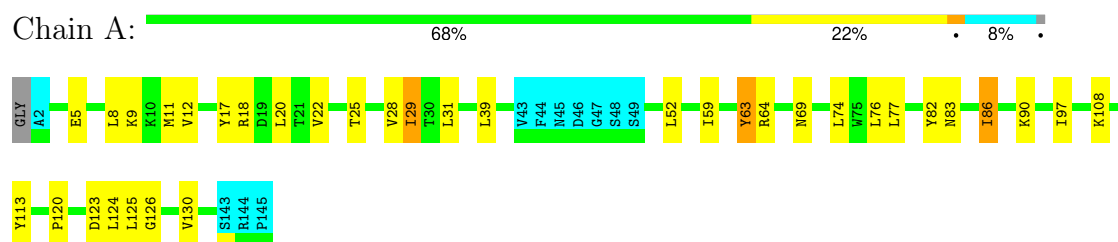
4.2.5 Score per residue for model 5

- Molecule 1: Tumor susceptibility gene 101 protein



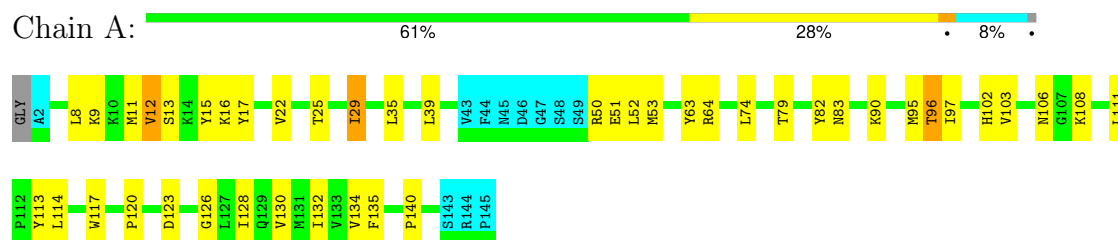
4.2.6 Score per residue for model 6

- Molecule 1: Tumor susceptibility gene 101 protein



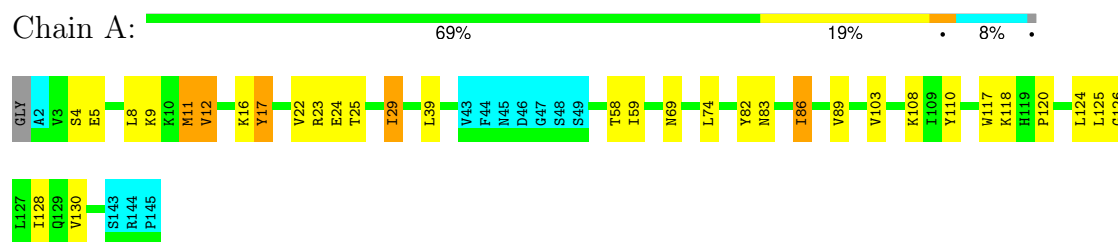
4.2.7 Score per residue for model 7

- Molecule 1: Tumor susceptibility gene 101 protein



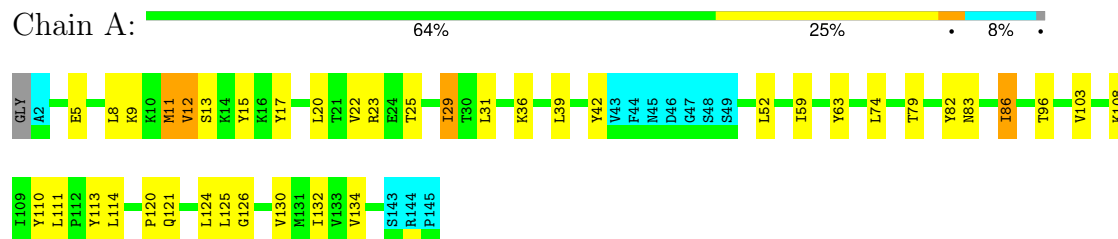
4.2.8 Score per residue for model 8

- Molecule 1: Tumor susceptibility gene 101 protein



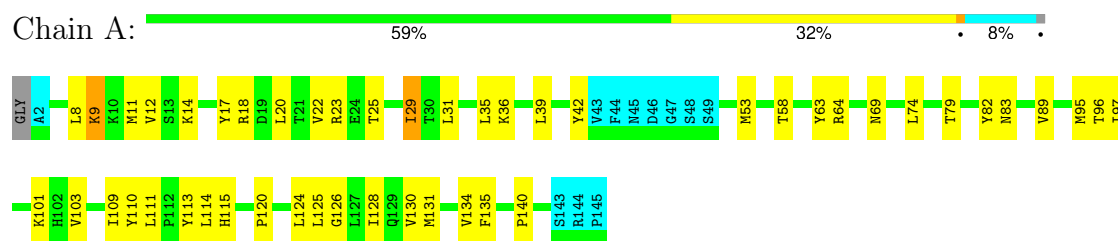
4.2.9 Score per residue for model 9

- Molecule 1: Tumor susceptibility gene 101 protein



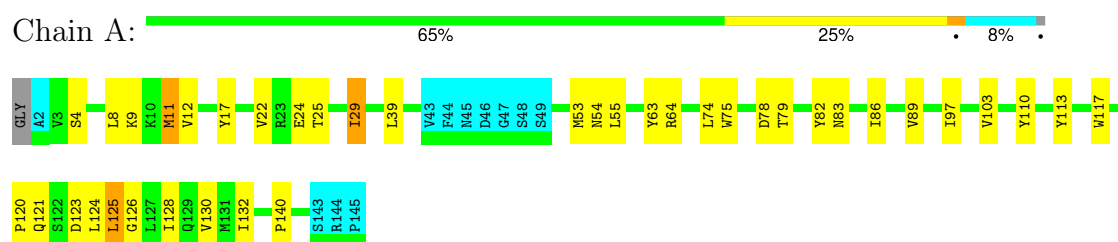
4.2.10 Score per residue for model 10

- Molecule 1: Tumor susceptibility gene 101 protein



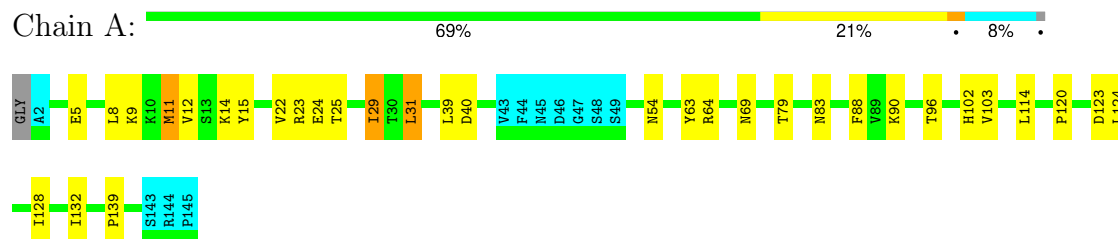
4.2.11 Score per residue for model 11

- Molecule 1: Tumor susceptibility gene 101 protein



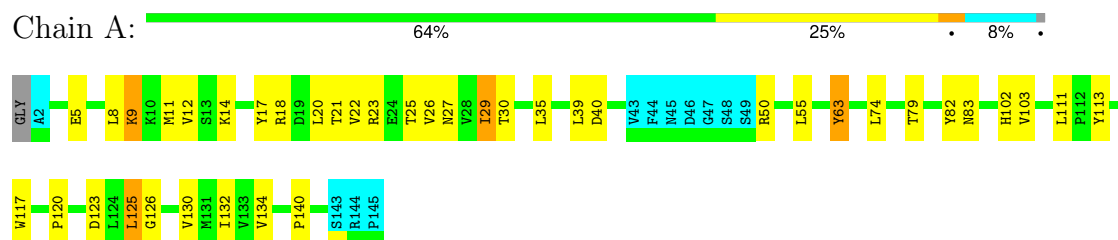
4.2.12 Score per residue for model 12

- Molecule 1: Tumor susceptibility gene 101 protein



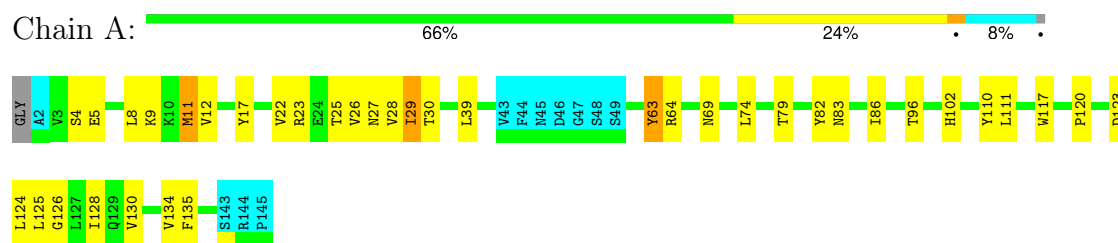
4.2.13 Score per residue for model 13

- Molecule 1: Tumor susceptibility gene 101 protein



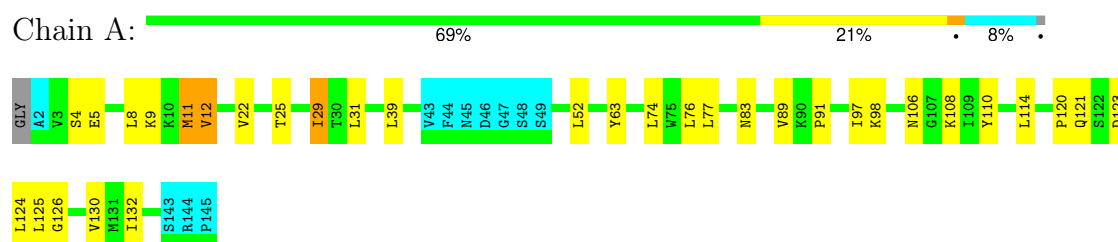
4.2.14 Score per residue for model 14

- Molecule 1: Tumor susceptibility gene 101 protein



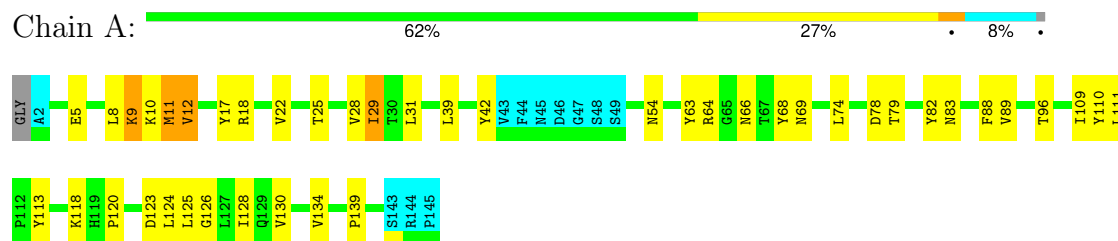
4.2.15 Score per residue for model 15

- Molecule 1: Tumor susceptibility gene 101 protein



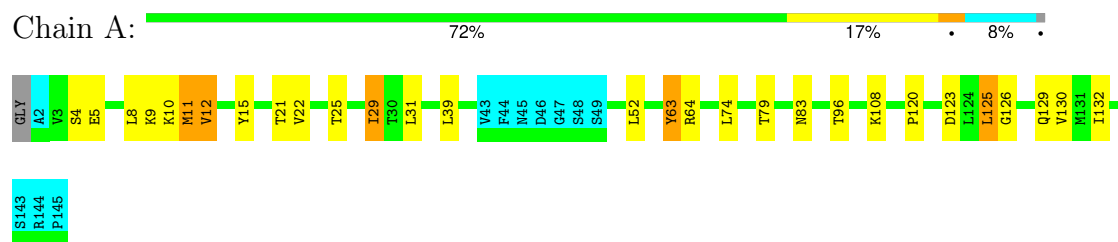
4.2.16 Score per residue for model 16

- Molecule 1: Tumor susceptibility gene 101 protein



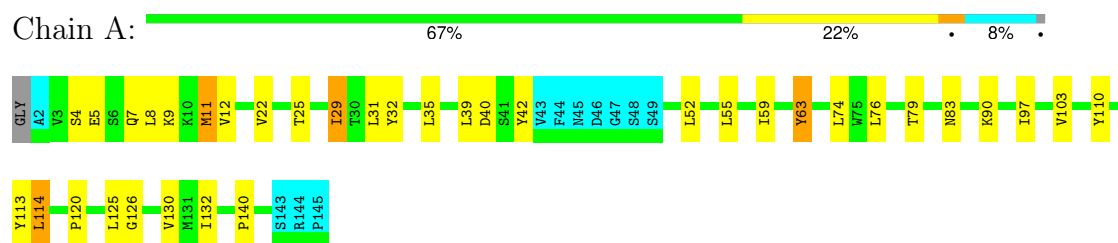
4.2.17 Score per residue for model 17

- Molecule 1: Tumor susceptibility gene 101 protein



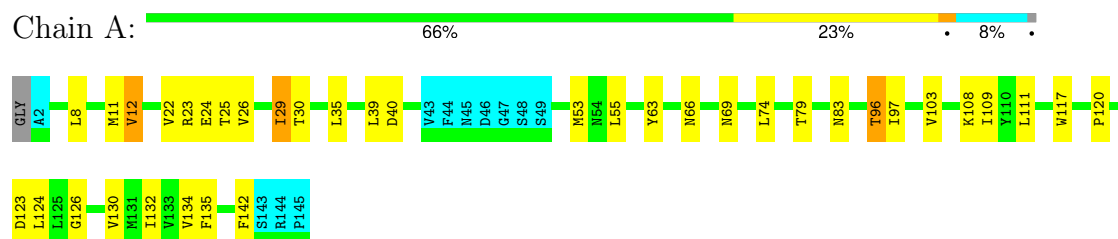
4.2.18 Score per residue for model 18

- Molecule 1: Tumor susceptibility gene 101 protein



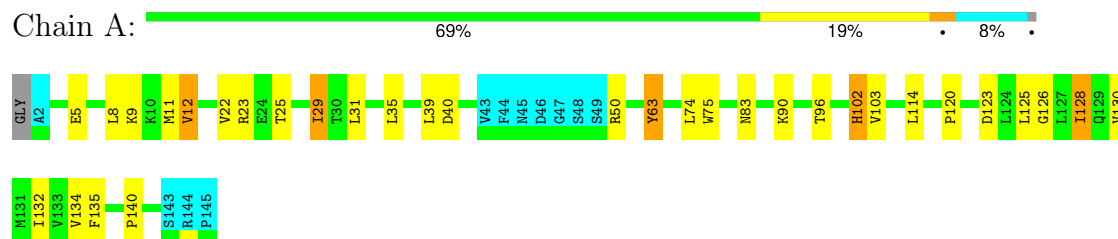
4.2.19 Score per residue for model 19

- Molecule 1: Tumor susceptibility gene 101 protein



4.2.20 Score per residue for model 20

- Molecule 1: Tumor susceptibility gene 101 protein



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
X-PLOR NIH	refinement	2.37.7
Gaussian	geometry optimization	9
X-PLOR NIH	structure calculation	2.37.7

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	1742
Number of shifts mapped to atoms	1739
Number of unparsed shifts	0
Number of shifts with mapping errors	3
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	86%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: 4N1

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1082	1112	1109	16±4
All	All	22100	22600	22180	325

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 7.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:8:LEU:HD23	1:A:22:VAL:HG13	0.84	1.49	13	20
1:A:111:LEU:HD22	1:A:134:VAL:HG11	0.77	1.56	1	6
1:A:8:LEU:O	1:A:12:VAL:HG22	0.77	1.80	10	20
1:A:11:MET:SD	1:A:39:LEU:HD13	0.72	2.24	7	14
1:A:31:LEU:HD23	1:A:125:LEU:HD21	0.70	1.62	18	6
1:A:11:MET:CB	1:A:39:LEU:HD13	0.68	2.19	20	5
1:A:9:LYS:NZ	1:A:22:VAL:HG11	0.66	2.05	3	10
1:A:15:TYR:OH	1:A:52:LEU:HD22	0.60	1.96	9	3
1:A:21:THR:O	1:A:25:THR:HG23	0.60	1.97	3	4
1:A:111:LEU:HD23	1:A:134:VAL:HG11	0.60	1.74	10	3
1:A:12:VAL:HG12	1:A:15:TYR:CE1	0.59	2.33	12	1
1:A:130:VAL:O	1:A:134:VAL:HG12	0.58	1.99	10	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:11:MET:HB2	1:A:39:LEU:HD13	0.57	1.76	20	3
1:A:8:LEU:CD2	1:A:22:VAL:HG13	0.57	2.28	13	2
1:A:25:THR:O	1:A:29:ILE:HG23	0.57	1.99	17	20
1:A:66:ASN:C	1:A:66:ASN:OD1	0.56	2.43	19	1
1:A:125:LEU:O	1:A:125:LEU:HD23	0.56	1.99	16	5
1:A:31:LEU:HD13	1:A:31:LEU:O	0.55	2.02	17	5
1:A:103:VAL:HG21	1:A:140:PRO:HB2	0.55	1.78	13	7
1:A:89:VAL:CG2	1:A:109:ILE:HD11	0.54	2.32	2	3
1:A:124:LEU:HD23	1:A:124:LEU:O	0.54	2.01	4	2
1:A:32:TYR:CD1	1:A:125:LEU:HD11	0.54	2.38	18	1
1:A:32:TYR:HD1	1:A:125:LEU:HD11	0.54	1.63	18	1
1:A:31:LEU:HD23	1:A:125:LEU:HD11	0.54	1.79	16	2
1:A:124:LEU:O	1:A:124:LEU:HD23	0.53	2.03	5	6
1:A:28:VAL:HG21	1:A:124:LEU:HD22	0.53	1.80	14	2
1:A:97:ILE:O	1:A:97:ILE:HG23	0.52	2.05	10	6
1:A:86:ILE:N	1:A:86:ILE:HD12	0.51	2.20	4	1
1:A:134:VAL:HG13	1:A:135:PHE:CD2	0.51	2.40	14	2
1:A:39:LEU:HD11	1:A:51:GLU:CG	0.50	2.36	7	1
1:A:17:TYR:N	1:A:17:TYR:CD2	0.49	2.80	8	1
1:A:134:VAL:HG13	1:A:135:PHE:CD1	0.49	2.43	2	4
1:A:111:LEU:CD2	1:A:134:VAL:HG11	0.49	2.37	10	5
1:A:58:THR:HG21	1:A:69:ASN:OD1	0.48	2.08	8	3
1:A:125:LEU:HD13	1:A:125:LEU:O	0.48	2.08	4	2
1:A:5:GLU:O	1:A:9:LYS:HD3	0.48	2.08	16	15
1:A:117:TRP:CD1	1:A:117:TRP:C	0.48	2.86	19	8
1:A:35:LEU:HD13	1:A:128:ILE:HD12	0.47	1.85	10	3
1:A:126:GLY:O	1:A:130:VAL:HG23	0.47	2.10	2	19
1:A:125:LEU:O	1:A:125:LEU:HD13	0.47	2.08	17	2
1:A:52:LEU:HD21	1:A:76:LEU:O	0.47	2.08	15	4
1:A:8:LEU:HD12	1:A:11:MET:SD	0.47	2.48	13	4
1:A:102:HIS:NE2	1:A:103:VAL:HG23	0.46	2.25	7	5
1:A:17:TYR:CZ	1:A:82:TYR:CD1	0.46	3.03	7	5
1:A:11:MET:HB3	1:A:39:LEU:HD13	0.46	1.88	20	2
1:A:15:TYR:CZ	1:A:52:LEU:HD22	0.46	2.45	9	2
1:A:24:GLU:OE2	1:A:124:LEU:HD12	0.46	2.11	3	1
1:A:18:ARG:O	1:A:22:VAL:HG23	0.46	2.10	13	5
1:A:59:ILE:HB	1:A:132:ILE:HD11	0.46	1.87	18	1
1:A:26:VAL:O	1:A:30:THR:HG23	0.45	2.11	14	3
1:A:39:LEU:HD11	1:A:51:GLU:HG3	0.45	1.88	7	1
1:A:63:TYR:O	1:A:63:TYR:CG	0.45	2.70	3	6
1:A:38:VAL:HG23	1:A:40:ASP:OD1	0.45	2.10	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:109:ILE:HD13	1:A:135:PHE:CZ	0.44	2.48	19	1
1:A:8:LEU:HD11	1:A:53:MET:SD	0.43	2.53	11	4
1:A:11:MET:SD	1:A:39:LEU:HD12	0.43	2.53	2	1
1:A:31:LEU:CD2	1:A:125:LEU:HD21	0.43	2.40	15	1
1:A:89:VAL:O	1:A:91:PRO:HD3	0.43	2.13	15	1
1:A:17:TYR:CE1	1:A:82:TYR:CD1	0.43	3.07	9	4
1:A:86:ILE:HD13	1:A:86:ILE:N	0.43	2.29	8	3
1:A:122:SER:O	1:A:123:ASP:CG	0.43	2.57	2	1
1:A:28:VAL:HG21	1:A:124:LEU:HD23	0.42	1.90	6	1
1:A:17:TYR:CZ	1:A:82:TYR:CE1	0.42	3.07	5	1
1:A:86:ILE:HD12	1:A:86:ILE:H	0.42	1.75	4	1
1:A:9:LYS:O	1:A:13:SER:N	0.42	2.51	5	2
1:A:113:TYR:CG	1:A:114:LEU:N	0.42	2.87	9	2
1:A:103:VAL:HG21	1:A:140:PRO:CB	0.42	2.44	1	3
1:A:31:LEU:HD13	1:A:31:LEU:C	0.42	2.35	2	3
1:A:89:VAL:HG23	1:A:109:ILE:HD11	0.42	1.90	10	1
1:A:109:ILE:HG22	1:A:111:LEU:HD11	0.42	1.91	10	1
1:A:102:HIS:CE1	1:A:103:VAL:HG23	0.42	2.49	20	1
1:A:96:THR:HG23	1:A:97:ILE:N	0.42	2.29	7	3
1:A:102:HIS:CD2	1:A:135:PHE:CE2	0.42	3.07	14	1
1:A:9:LYS:HZ3	1:A:22:VAL:HG11	0.42	1.74	10	2
1:A:66:ASN:ND2	1:A:68:TYR:CZ	0.41	2.88	16	1
1:A:63:TYR:O	1:A:63:TYR:CD2	0.41	2.73	6	1
1:A:35:LEU:HD23	1:A:55:LEU:HD13	0.41	1.91	19	2
1:A:54:ASN:OD1	1:A:75:TRP:HA	0.41	2.15	2	2
1:A:104:ASP:OD1	1:A:108:LYS:N	0.40	2.54	4	1
1:A:131:MET:SD	1:A:135:PHE:CE1	0.40	3.14	10	1
1:A:97:ILE:O	1:A:97:ILE:CG2	0.40	2.70	3	1
1:A:8:LEU:HD12	1:A:53:MET:SD	0.40	2.56	7	1
1:A:101:LYS:O	1:A:110:TYR:CZ	0.40	2.74	10	1
1:A:113:TYR:CD2	1:A:114:LEU:N	0.40	2.90	1	1
1:A:103:VAL:HG21	1:A:140:PRO:HB3	0.40	1.91	4	1
1:A:35:LEU:CD2	1:A:55:LEU:HD13	0.40	2.47	13	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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

was analysed and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	133/145 (92%)	125±1 (94±1%)	7±1 (5±1%)	2±1 (1±0%)	14	62
All	All	2660/2900 (92%)	2493 (94%)	136 (5%)	31 (1%)	14	62

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	120	PRO	20
1	A	123	ASP	9
1	A	139	PRO	2

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	126/135 (93%)	109±3 (87±2%)	17±3 (13±2%)	5	46
All	All	2520/2700 (93%)	2186 (87%)	334 (13%)	5	46

All 62 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	29	ILE	20
1	A	83	ASN	20
1	A	74	LEU	19
1	A	63	TYR	18
1	A	96	THR	13
1	A	79	THR	13
1	A	132	ILE	12
1	A	11	MET	12
1	A	12	VAL	11
1	A	64	ARG	11
1	A	23	ARG	11
1	A	4	SER	8
1	A	110	TYR	8
1	A	125	LEU	8

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Mol	Chain	Res	Type	Models (Total)
1	A	108	LYS	8
1	A	123	ASP	7
1	A	24	GLU	7
1	A	113	TYR	7
1	A	90	LYS	7
1	A	128	ILE	7
1	A	114	LEU	7
1	A	20	LEU	6
1	A	40	ASP	6
1	A	69	ASN	6
1	A	103	VAL	5
1	A	42	TYR	5
1	A	86	ILE	5
1	A	9	LYS	4
1	A	121	GLN	4
1	A	77	LEU	3
1	A	54	ASN	3
1	A	106	ASN	3
1	A	36	LYS	3
1	A	59	ILE	3
1	A	50	ARG	3
1	A	14	LYS	3
1	A	142	PHE	2
1	A	13	SER	2
1	A	31	LEU	2
1	A	16	LYS	2
1	A	95	MET	2
1	A	89	VAL	2
1	A	118	LYS	2
1	A	78	ASP	2
1	A	88	PHE	2
1	A	102	HIS	2
1	A	27	ASN	2
1	A	10	LYS	2
1	A	19	ASP	1
1	A	39	LEU	1
1	A	52	LEU	1
1	A	51	GLU	1
1	A	141	VAL	1
1	A	17	TYR	1
1	A	82	TYR	1
1	A	115	HIS	1

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Mol	Chain	Res	Type	Models (Total)
1	A	55	LEU	1
1	A	98	LYS	1
1	A	129	GLN	1
1	A	7	GLN	1
1	A	124	LEU	1
1	A	75	TRP	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.6 Ligand geometry ⓘ

1 ligand is modelled in this entry.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
2	4N1	A	201	1	20,25,25	1.27±0.03	3±0 (15±0%)

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of

the bond angles.

Mol	Type	Chain	Res	Link	Counts	Bond angles	
						RMSZ	#Z>2
2	4N1	A	201	1	21,36,36	2.32±0.04	10±1 (46±4%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	4N1	A	201	1	-	0±0,4,10,10	0±0,3,3,3

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
2	A	201	4N1	O14-C14	2.69	1.33	1.38	6	20
2	A	201	4N1	C3-N7	2.58	1.39	1.34	6	20
2	A	201	4N1	C3-N2	2.48	1.31	1.36	14	20

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

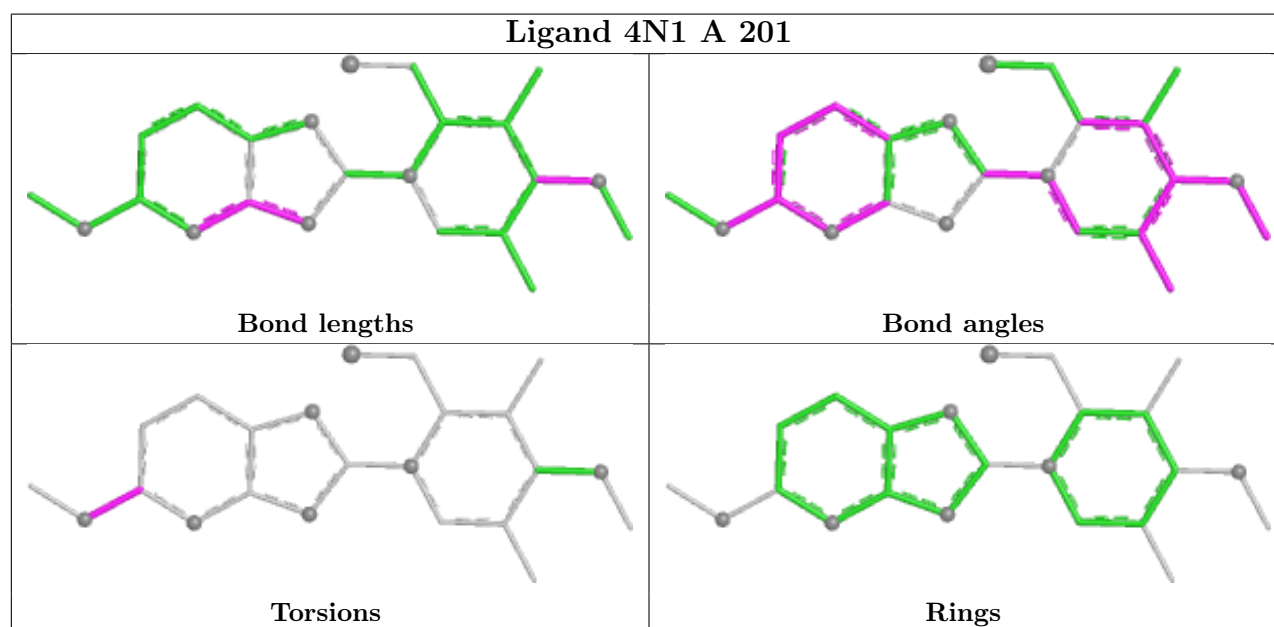
Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
2	A	201	4N1	C21-O14-C14	4.05	125.75	114.74	11	20
2	A	201	4N1	C14-C13-C12	3.85	120.56	116.94	20	20
2	A	201	4N1	O1-C1-C6	3.83	123.55	116.77	10	20
2	A	201	4N1	C16-N11-C8	3.81	114.62	119.83	3	20
2	A	201	4N1	O14-C14-C13	3.54	113.80	118.86	12	20
2	A	201	4N1	O14-C14-C15	3.49	125.73	119.09	12	20
2	A	201	4N1	C6-C5-C4	3.37	116.77	120.80	8	20
2	A	201	4N1	C19-C15-C14	3.01	125.62	120.80	11	20
2	A	201	4N1	C12-C17-S20	2.45	114.79	109.58	15	12
2	A	201	4N1	C1-N2-C3	2.17	114.08	117.01	9	18
2	A	201	4N1	C5-C6-C1	2.03	120.26	117.84	8	4

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



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 86% for the well-defined parts and 86% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *Tsg101_N16_chemical_shifts_IUPAC.str*

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	1742
Number of shifts mapped to atoms	1739
Number of unparsed shifts	0
Number of shifts with mapping errors	3
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	8

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 3 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	1	GLY	HA2	3.816	.	.
1	A	1	GLY	HA3	3.816	.	.
1	A	1	GLY	CA	43.219	.	.

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	143	0.02 ± 0.15	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	135	0.22 ± 0.11	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	131	-0.00 ± 0.35	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 86%, i.e. 1635 atoms were assigned a chemical shift out of a possible 1900. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	511/647 (79%)	258/260 (99%)	132/266 (50%)	121/121 (100%)
Sidechain	996/1085 (92%)	685/712 (96%)	302/341 (89%)	9/32 (28%)
Aromatic	128/168 (76%)	70/79 (89%)	56/81 (69%)	2/8 (25%)
Overall	1635/1900 (86%)	1013/1051 (96%)	490/688 (71%)	132/161 (82%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 86%, i.e. 1736 atoms were assigned a chemical shift out of a possible 2028. 0 out of 29 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	552/701 (79%)	279/282 (99%)	142/288 (49%)	131/131 (100%)
Sidechain	1046/1149 (91%)	719/753 (95%)	317/360 (88%)	10/36 (28%)
Aromatic	138/178 (78%)	75/84 (89%)	61/86 (71%)	2/8 (25%)
Overall	1736/2028 (86%)	1073/1119 (96%)	520/734 (71%)	143/175 (82%)

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.

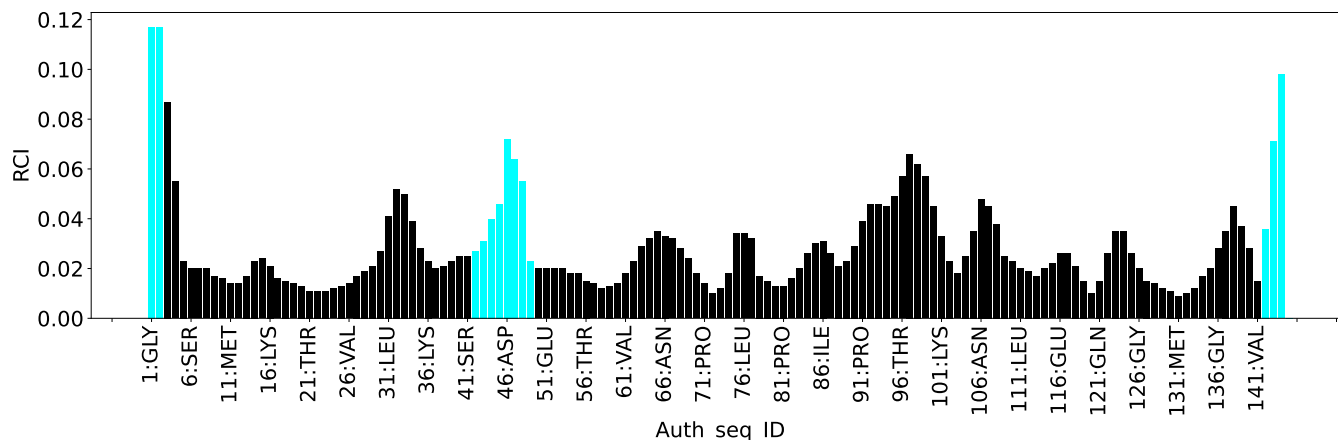
List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	25	THR	HG1	3.92	0.08 – 2.19	13.2
1	A	21	THR	HG1	3.85	0.08 – 2.19	12.9
1	A	122	SER	HB2	1.20	2.61 – 5.13	-10.6
1	A	81	PRO	HG2	-0.33	0.41 – 3.45	-7.4
1	A	122	SER	HB3	1.91	2.49 – 5.20	-7.2
1	A	120	PRO	HA	2.52	2.78 – 6.00	-5.8
1	A	81	PRO	HA	2.54	2.78 – 6.00	-5.7
1	A	78	ASP	HA	2.98	3.04 – 6.12	-5.2

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	4737
Intra-residue ($ i-j =0$)	2206
Sequential ($ i-j =1$)	960
Medium range ($ i-j >1$ and $ i-j <5$)	623
Long range ($ i-j \geq 5$)	858
Inter-chain	0
Hydrogen bond restraints	90
Disulfide bond restraints	0
Total dihedral-angle restraints	276
Number of unmapped restraints	1
Number of restraints per residue	34.3
Number of long range restraints per residue ¹	6.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	401.6	0.2
0.2-0.5 (Medium)	397.8	0.5
>0.5 (Large)	1.1	0.7

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)	13.1	8.56
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

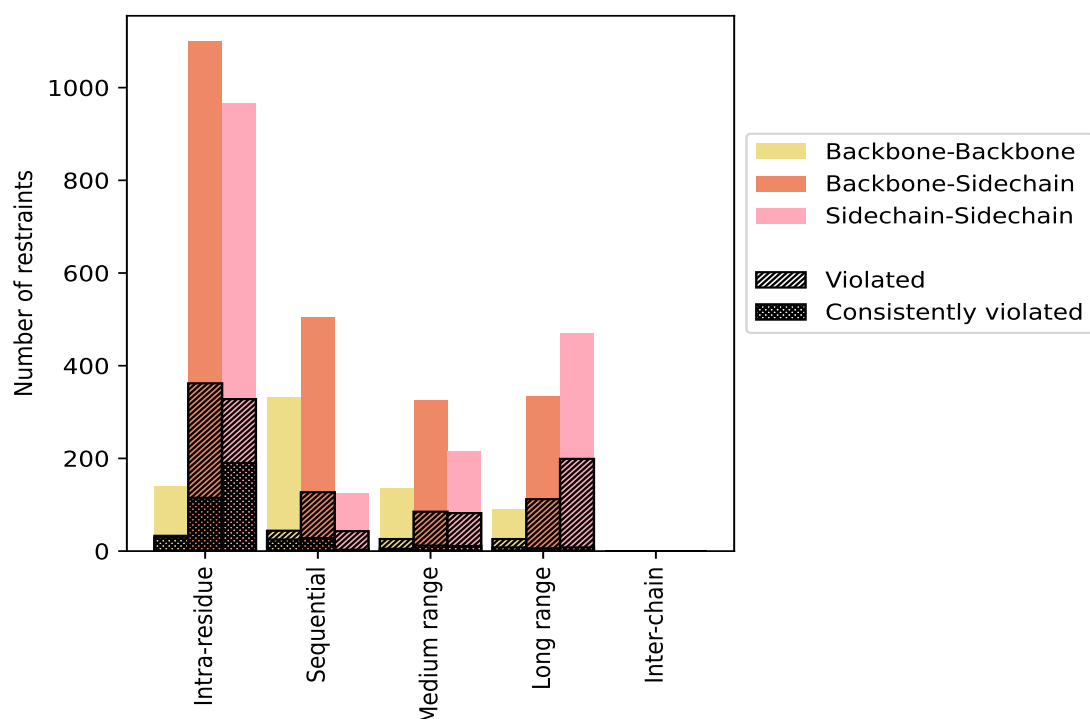
9.1 Summary of distance violations ⓘ

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.

Restraints type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	2206	46.6	723	32.8	15.3	334	15.1	7.1
Backbone-Backbone	139	2.9	33	23.7	0.7	29	20.9	0.6
Backbone-Sidechain	1100	23.2	362	32.9	7.6	115	10.5	2.4
Sidechain-Sidechain	967	20.4	328	33.9	6.9	190	19.6	4.0
Sequential ($i-j =1$)	960	20.3	214	22.3	4.5	56	5.8	1.2
Backbone-Backbone	331	7.0	44	13.3	0.9	25	7.6	0.5
Backbone-Sidechain	504	10.6	127	25.2	2.7	28	5.6	0.6
Sidechain-Sidechain	125	2.6	43	34.4	0.9	3	2.4	0.1
Medium range ($i-j >1$ & $i-j <5$)	623	13.2	189	30.3	4.0	28	4.5	0.6
Backbone-Backbone	136	2.9	26	19.1	0.5	5	3.7	0.1
Backbone-Sidechain	272	5.7	81	29.8	1.7	12	4.4	0.3
Sidechain-Sidechain	215	4.5	82	38.1	1.7	11	5.1	0.2
Long range ($i-j \geq 5$)	858	18.1	326	38.0	6.9	22	2.6	0.5
Backbone-Backbone	91	1.9	26	28.6	0.5	8	8.8	0.2
Backbone-Sidechain	297	6.3	101	34.0	2.1	6	2.0	0.1
Sidechain-Sidechain	470	9.9	199	42.3	4.2	8	1.7	0.2
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	90	1.9	15	16.7	0.3	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4737	100.0	1467	31.0	31.0	440	9.3	9.3
Backbone-Backbone	697	14.7	129	18.5	2.7	67	9.6	1.4
Backbone-Sidechain	2263	47.8	686	30.3	14.5	161	7.1	3.4
Sidechain-Sidechain	1777	37.5	652	36.7	13.8	212	11.9	4.5

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	488	117	94	108	0	807	0.22	0.52	0.09	0.2
2	504	117	87	125	0	833	0.22	0.62	0.1	0.2
3	491	118	87	116	0	812	0.22	0.56	0.09	0.2
4	493	115	90	121	0	819	0.22	0.49	0.09	0.2
5	526	120	84	103	0	833	0.22	0.5	0.09	0.2
6	488	123	91	118	0	820	0.22	0.66	0.09	0.2
7	499	120	90	125	0	834	0.22	0.59	0.09	0.2
8	498	125	91	127	0	841	0.22	0.51	0.09	0.2
9	495	120	95	101	0	811	0.22	0.54	0.09	0.2
10	506	126	93	124	0	849	0.22	0.5	0.09	0.2

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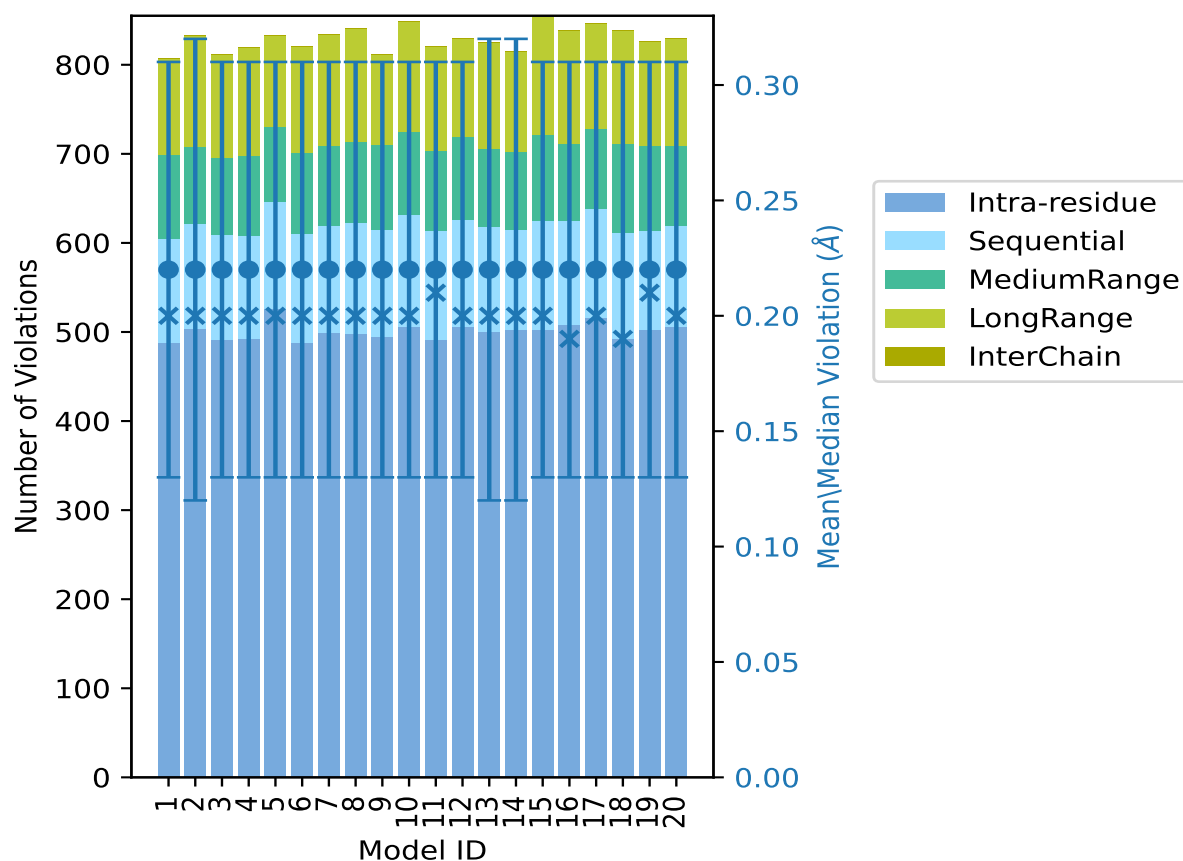
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	491	123	90	117	0	821	0.22	0.56	0.09	0.21
12	506	120	93	111	0	830	0.22	0.51	0.09	0.2
13	500	118	88	119	0	825	0.22	0.49	0.1	0.2
14	502	113	87	113	0	815	0.22	0.55	0.1	0.2
15	502	123	96	134	0	855	0.22	0.51	0.09	0.2
16	508	117	87	126	0	838	0.22	0.7	0.09	0.19
17	516	123	89	118	0	846	0.22	0.56	0.09	0.2
18	492	120	100	126	0	838	0.22	0.49	0.09	0.19
19	502	112	95	117	0	826	0.22	0.61	0.09	0.21
20	506	113	90	121	0	830	0.22	0.5	0.09	0.2

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

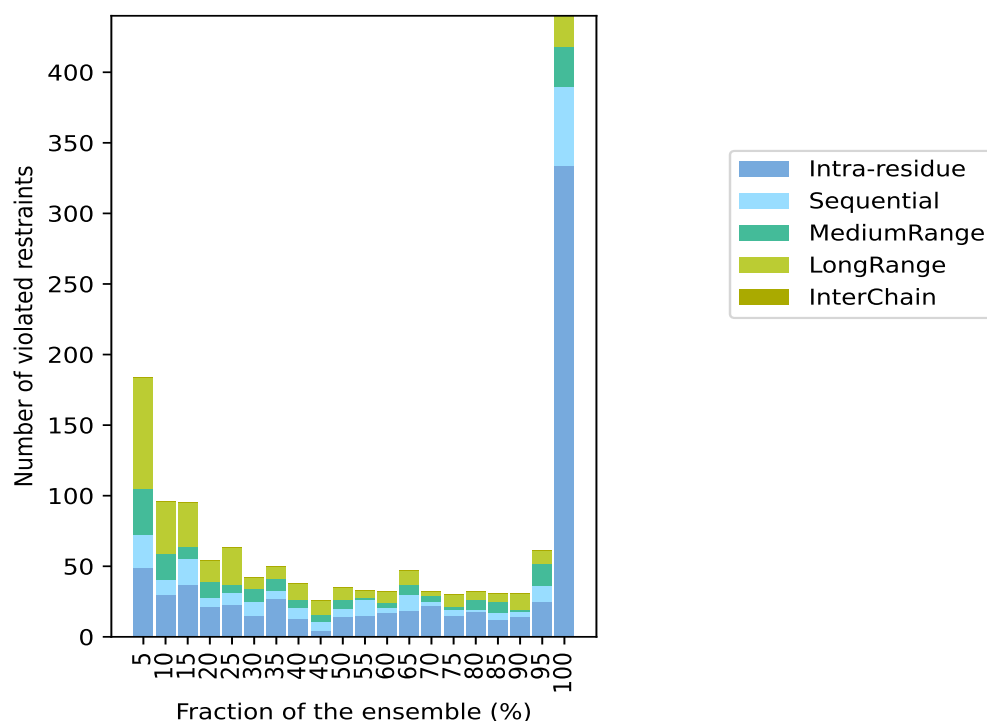
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 3195(IR:1483, SQ:746, MR:434, LR:532, IC:0) restraints are 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	%
49	23	33	79	0	184	1	5.0
30	10	19	37	0	96	2	10.0
37	18	9	31	0	95	3	15.0
21	7	11	15	0	54	4	20.0
23	8	6	26	0	63	5	25.0
15	10	9	8	0	42	6	30.0
27	6	8	9	0	50	7	35.0
13	8	5	12	0	38	8	40.0
4	7	5	10	0	26	9	45.0
14	6	6	9	0	35	10	50.0
15	11	2	5	0	33	11	55.0
17	4	3	8	0	32	12	60.0
18	12	7	10	0	47	13	65.0
22	3	4	3	0	32	14	70.0
15	4	2	9	0	30	15	75.0
18	1	7	6	0	32	16	80.0
12	5	8	6	0	31	17	85.0
14	4	1	12	0	31	18	90.0
25	11	16	9	0	61	19	95.0
334	56	28	22	0	440	20	100.0

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

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

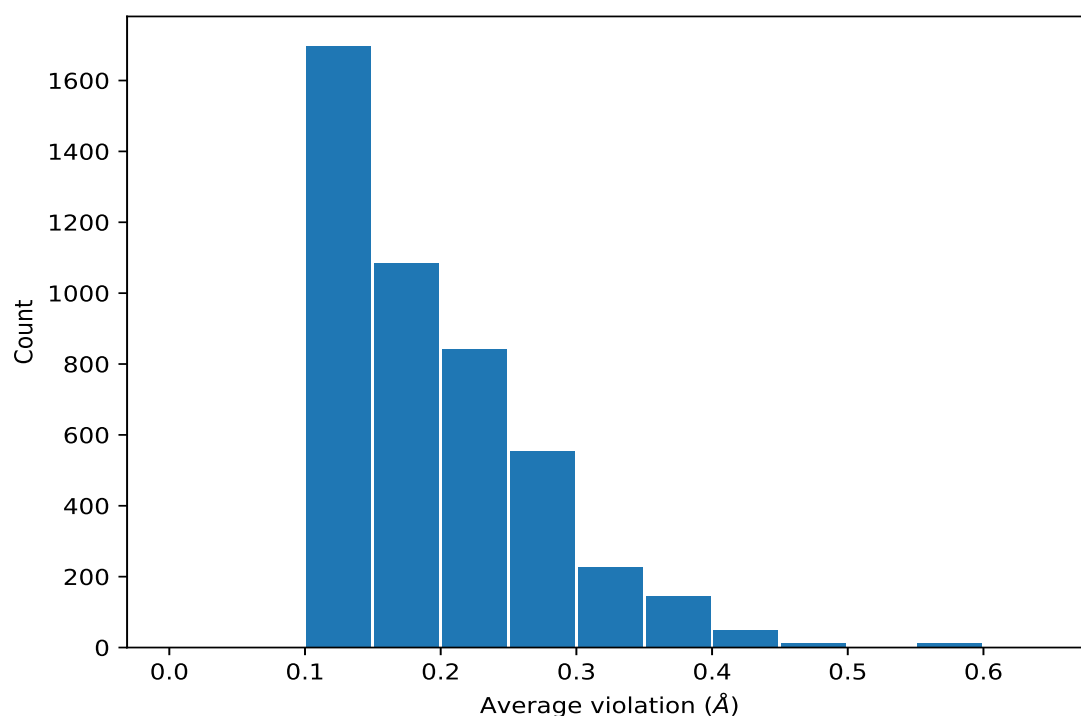
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	20	0.49	0.0	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	20	0.49	0.0	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	20	0.48	0.01	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	20	0.48	0.01	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	20	0.48	0.01	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	20	0.48	0.01	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	20	0.48	0.01	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	20	0.48	0.01	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	20	0.48	0.0	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	20	0.48	0.0	0.48
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	20	0.46	0.01	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	20	0.45	0.01	0.45
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	20	0.44	0.0	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	20	0.44	0.0	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	20	0.44	0.0	0.44
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	20	0.44	0.04	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	20	0.44	0.04	0.45
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	20	0.44	0.01	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	20	0.44	0.01	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	20	0.44	0.01	0.44
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.43	0.01	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.43	0.01	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.43	0.01	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.43	0.01	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	20	0.43	0.0	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	20	0.43	0.0	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	20	0.43	0.0	0.43
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	20	0.43	0.03	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	20	0.43	0.03	0.44
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	20	0.43	0.06	0.42
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	20	0.43	0.06	0.42
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	20	0.42	0.04	0.42
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	20	0.41	0.0	0.41
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	20	0.41	0.04	0.4
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	20	0.41	0.04	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	20	0.4	0.03	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	20	0.4	0.03	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	20	0.4	0.03	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	20	0.4	0.03	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	20	0.4	0.03	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	20	0.4	0.03	0.41
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	20	0.4	0.01	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	20	0.4	0.01	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	20	0.4	0.01	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	20	0.4	0.01	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	20	0.4	0.01	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	20	0.4	0.0	0.4
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	20	0.4	0.03	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	20	0.4	0.03	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	20	0.4	0.03	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	20	0.4	0.03	0.39
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	20	0.4	0.01	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	20	0.4	0.01	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	20	0.4	0.01	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	20	0.4	0.0	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	20	0.4	0.0	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	20	0.4	0.0	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	20	0.39	0.0	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	20	0.39	0.0	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	20	0.39	0.0	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	20	0.39	0.0	0.39
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	20	0.39	0.04	0.39
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	20	0.39	0.04	0.39
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	20	0.39	0.04	0.39
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	20	0.39	0.04	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	20	0.39	0.04	0.41
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	20	0.39	0.0	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	20	0.39	0.0	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	20	0.39	0.0	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	20	0.39	0.0	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	20	0.39	0.0	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	20	0.39	0.0	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	20	0.39	0.0	0.39
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	20	0.39	0.02	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	20	0.39	0.0	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	20	0.39	0.0	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	20	0.39	0.0	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	20	0.39	0.0	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	20	0.39	0.0	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	20	0.39	0.0	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	20	0.39	0.0	0.39
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	20	0.39	0.05	0.4
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	20	0.39	0.0	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	20	0.38	0.01	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	20	0.38	0.01	0.38
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	20	0.38	0.02	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	20	0.38	0.01	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	20	0.38	0.01	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	20	0.38	0.01	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	20	0.38	0.01	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	20	0.38	0.0	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	20	0.38	0.0	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	20	0.38	0.0	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	20	0.38	0.0	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	20	0.38	0.01	0.38
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	20	0.38	0.03	0.38
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	20	0.38	0.03	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	20	0.38	0.03	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	20	0.38	0.03	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	20	0.38	0.03	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	20	0.38	0.03	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	20	0.38	0.03	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	20	0.38	0.03	0.36
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	20	0.38	0.0	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	20	0.38	0.0	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	20	0.38	0.0	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	20	0.38	0.0	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	20	0.38	0.0	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	20	0.38	0.0	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	20	0.37	0.0	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	20	0.37	0.0	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	20	0.37	0.0	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	20	0.37	0.0	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	20	0.37	0.0	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	20	0.37	0.0	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	20	0.37	0.0	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	20	0.37	0.0	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	20	0.37	0.0	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	20	0.37	0.0	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	20	0.37	0.0	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	20	0.37	0.0	0.37
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	20	0.37	0.04	0.36
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	20	0.37	0.04	0.36
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	20	0.37	0.04	0.36
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	20	0.37	0.01	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	20	0.37	0.01	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	20	0.37	0.01	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	20	0.37	0.0	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	20	0.37	0.0	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	20	0.37	0.0	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	20	0.37	0.0	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	20	0.37	0.0	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	20	0.37	0.0	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	20	0.37	0.0	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	20	0.37	0.0	0.37
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	0.37	0.06	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	0.37	0.06	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	0.37	0.06	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	0.37	0.06	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	0.37	0.06	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	0.37	0.06	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	0.37	0.06	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	0.37	0.06	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	0.37	0.06	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	0.37	0.06	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	0.37	0.06	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	0.37	0.06	0.39
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	20	0.37	0.08	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	20	0.37	0.08	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	20	0.37	0.08	0.4
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	20	0.36	0.03	0.35
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	20	0.36	0.03	0.35
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	20	0.36	0.01	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	20	0.36	0.01	0.36
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	20	0.36	0.07	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	20	0.36	0.07	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	20	0.36	0.07	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	20	0.36	0.07	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	20	0.36	0.07	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	20	0.36	0.07	0.39
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	20	0.35	0.01	0.36
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	20	0.35	0.02	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	20	0.35	0.04	0.34
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	20	0.35	0.04	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	20	0.35	0.04	0.34
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	20	0.35	0.04	0.34
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	20	0.35	0.06	0.32
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	20	0.35	0.07	0.36
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	20	0.35	0.06	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	20	0.34	0.04	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	20	0.34	0.04	0.36
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	20	0.34	0.02	0.34
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	20	0.34	0.01	0.34
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	20	0.34	0.01	0.34
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	20	0.34	0.1	0.3
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	20	0.34	0.1	0.3
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	20	0.34	0.05	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	20	0.34	0.05	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	20	0.34	0.05	0.35
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	20	0.34	0.06	0.34
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	20	0.34	0.06	0.34
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	20	0.34	0.06	0.34
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	20	0.34	0.06	0.34
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	20	0.34	0.06	0.34
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	20	0.34	0.06	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	20	0.34	0.01	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	20	0.34	0.01	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	20	0.34	0.01	0.34
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	20	0.34	0.04	0.34
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	20	0.34	0.04	0.34
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	20	0.34	0.04	0.34
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	20	0.34	0.07	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	20	0.34	0.07	0.34
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	20	0.34	0.07	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	20	0.33	0.0	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	20	0.33	0.0	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	20	0.33	0.0	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	20	0.33	0.01	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	20	0.33	0.01	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	20	0.33	0.01	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	20	0.33	0.01	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	20	0.33	0.01	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	20	0.33	0.01	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	20	0.33	0.01	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	20	0.33	0.01	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	20	0.33	0.01	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	20	0.33	0.01	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	20	0.33	0.0	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.33	0.01	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.33	0.01	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.33	0.01	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.33	0.01	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	20	0.33	0.01	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	20	0.33	0.01	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	20	0.33	0.01	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	20	0.33	0.01	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	20	0.33	0.01	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	20	0.33	0.01	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	20	0.33	0.01	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	20	0.33	0.01	0.33
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	20	0.33	0.02	0.33
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	20	0.33	0.02	0.33
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	20	0.33	0.03	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	20	0.33	0.07	0.34
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	20	0.33	0.07	0.34
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	20	0.33	0.07	0.34
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	20	0.33	0.07	0.34
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	20	0.33	0.07	0.34
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	20	0.33	0.07	0.34
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	20	0.33	0.01	0.33
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	20	0.33	0.02	0.33
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	20	0.33	0.03	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	20	0.32	0.02	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	20	0.32	0.02	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	20	0.32	0.02	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	20	0.32	0.02	0.32
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	20	0.32	0.05	0.33
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	20	0.32	0.05	0.33
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	20	0.32	0.05	0.33
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	20	0.32	0.08	0.36
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	20	0.32	0.08	0.36
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	20	0.32	0.08	0.36
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	20	0.32	0.08	0.36
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	20	0.32	0.08	0.36
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	20	0.32	0.08	0.36
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	20	0.32	0.02	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	20	0.32	0.02	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	20	0.32	0.02	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	20	0.32	0.02	0.32
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	20	0.32	0.02	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	20	0.32	0.01	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	20	0.32	0.01	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	20	0.32	0.01	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	20	0.32	0.01	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	20	0.32	0.01	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	20	0.32	0.01	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	20	0.32	0.01	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	20	0.32	0.01	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	20	0.32	0.0	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	20	0.32	0.0	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	20	0.32	0.0	0.32
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	20	0.32	0.09	0.34
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	20	0.32	0.01	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	20	0.32	0.01	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	20	0.32	0.01	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	20	0.32	0.01	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	20	0.32	0.01	0.32
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	20	0.32	0.05	0.3
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	20	0.32	0.05	0.3
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	20	0.32	0.01	0.31
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	20	0.32	0.08	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	20	0.32	0.08	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	20	0.32	0.08	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	20	0.32	0.08	0.37
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	20	0.31	0.02	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	20	0.31	0.02	0.32
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	20	0.31	0.02	0.3
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	20	0.31	0.06	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	20	0.31	0.06	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	20	0.31	0.06	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	20	0.31	0.06	0.32
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	20	0.31	0.03	0.31
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	20	0.31	0.03	0.31
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	20	0.3	0.03	0.3
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	20	0.3	0.03	0.3
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	20	0.3	0.03	0.3
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	20	0.3	0.03	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	20	0.3	0.04	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	20	0.3	0.04	0.32
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	20	0.3	0.0	0.3
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	20	0.3	0.07	0.33
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	20	0.3	0.07	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	20	0.3	0.05	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	20	0.3	0.05	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	20	0.3	0.05	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	20	0.3	0.05	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	20	0.3	0.05	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	20	0.3	0.05	0.29
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	20	0.3	0.01	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	20	0.3	0.01	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	20	0.3	0.01	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	20	0.3	0.01	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	20	0.3	0.01	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	20	0.3	0.0	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	20	0.3	0.0	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	20	0.3	0.0	0.3
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	20	0.3	0.04	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	20	0.3	0.04	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	20	0.3	0.04	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	20	0.3	0.04	0.27
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	20	0.3	0.0	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	20	0.3	0.0	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	20	0.3	0.01	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	20	0.3	0.0	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	20	0.3	0.06	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	20	0.3	0.06	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	20	0.3	0.06	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	20	0.3	0.06	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	20	0.3	0.06	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	20	0.3	0.06	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	20	0.3	0.0	0.3
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	20	0.3	0.07	0.31
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	20	0.3	0.07	0.31
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	20	0.3	0.07	0.31
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	20	0.3	0.07	0.31
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	20	0.3	0.07	0.31
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	20	0.3	0.07	0.31
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	20	0.3	0.04	0.3
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	20	0.3	0.04	0.3
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	20	0.3	0.04	0.3
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	20	0.29	0.07	0.28
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	20	0.29	0.07	0.28
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	20	0.29	0.0	0.29
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	20	0.29	0.08	0.29
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	20	0.29	0.08	0.29
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	20	0.29	0.08	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	20	0.29	0.01	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	20	0.29	0.01	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	20	0.29	0.01	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	20	0.29	0.01	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	20	0.29	0.01	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	20	0.29	0.01	0.29
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	20	0.29	0.06	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	20	0.29	0.06	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	20	0.29	0.04	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	20	0.29	0.04	0.31
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	20	0.29	0.0	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	20	0.29	0.0	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	20	0.29	0.0	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	20	0.29	0.0	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	20	0.29	0.0	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	20	0.29	0.01	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	20	0.29	0.01	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	20	0.29	0.01	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	20	0.29	0.01	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	20	0.29	0.01	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	20	0.29	0.01	0.29
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.29	0.03	0.29
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.29	0.03	0.29
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.29	0.03	0.29
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.29	0.03	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	20	0.29	0.01	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	20	0.29	0.01	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	20	0.29	0.0	0.29
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	20	0.28	0.02	0.29
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	20	0.28	0.07	0.29
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	20	0.28	0.07	0.29
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	20	0.28	0.07	0.29
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	20	0.28	0.07	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	20	0.28	0.01	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	20	0.28	0.01	0.28
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	20	0.28	0.03	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	20	0.28	0.03	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	20	0.28	0.03	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	20	0.28	0.03	0.29
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	20	0.28	0.0	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	20	0.28	0.0	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	20	0.28	0.0	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	20	0.28	0.0	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.28	0.01	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.28	0.01	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.28	0.01	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	20	0.28	0.01	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	20	0.28	0.01	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	20	0.28	0.0	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	20	0.28	0.0	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	20	0.28	0.0	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	20	0.28	0.0	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	20	0.28	0.0	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	20	0.28	0.0	0.28
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	20	0.28	0.03	0.29
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	20	0.28	0.03	0.29
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	20	0.28	0.02	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	20	0.28	0.01	0.28
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	20	0.28	0.08	0.29
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	20	0.28	0.08	0.29
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	20	0.28	0.08	0.29
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	20	0.28	0.08	0.29
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	20	0.28	0.01	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	20	0.27	0.0	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	20	0.27	0.0	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	20	0.27	0.0	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	20	0.27	0.0	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	20	0.27	0.0	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	20	0.27	0.0	0.27
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	20	0.27	0.03	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	20	0.27	0.03	0.28
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	20	0.27	0.01	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	20	0.27	0.01	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	20	0.27	0.01	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	20	0.27	0.01	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	20	0.27	0.01	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	20	0.27	0.01	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	20	0.27	0.01	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	20	0.27	0.01	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	20	0.27	0.01	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	20	0.27	0.01	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	20	0.27	0.01	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	20	0.27	0.01	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	20	0.27	0.01	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	20	0.27	0.01	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	20	0.27	0.01	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	20	0.27	0.01	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	20	0.27	0.01	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	20	0.27	0.01	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	20	0.27	0.01	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	20	0.27	0.01	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	20	0.27	0.01	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	20	0.27	0.01	0.28
(6,699)	1:93:A:SER:H	1:94:A:SER:H	20	0.27	0.02	0.27
(6,704)	1:93:A:SER:H	1:94:A:SER:H	20	0.27	0.02	0.27
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	20	0.27	0.04	0.28
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	20	0.27	0.04	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	20	0.27	0.03	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	20	0.27	0.03	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	20	0.27	0.03	0.26
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	20	0.27	0.0	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	20	0.27	0.0	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	20	0.27	0.0	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	20	0.27	0.0	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	20	0.27	0.0	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	20	0.27	0.0	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	20	0.27	0.03	0.27
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	20	0.27	0.03	0.27
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	20	0.27	0.03	0.27
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	20	0.27	0.03	0.27
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	20	0.27	0.03	0.27
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	20	0.27	0.03	0.27
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	20	0.26	0.04	0.26
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	20	0.26	0.05	0.28
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	20	0.26	0.05	0.28
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	20	0.26	0.05	0.28
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	20	0.26	0.05	0.28
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	20	0.26	0.05	0.28
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	20	0.26	0.05	0.28
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	20	0.26	0.03	0.26
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	20	0.26	0.03	0.26
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	20	0.26	0.03	0.26
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	20	0.26	0.03	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	20	0.26	0.01	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	20	0.26	0.01	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	20	0.26	0.01	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	20	0.26	0.03	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	20	0.26	0.03	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	20	0.26	0.03	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	20	0.26	0.03	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	20	0.26	0.02	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	20	0.26	0.02	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	20	0.26	0.02	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26	0.01	0.26
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	20	0.26	0.01	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	20	0.26	0.01	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	20	0.26	0.01	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	20	0.26	0.01	0.26
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	20	0.26	0.02	0.25
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	20	0.26	0.02	0.25
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	20	0.26	0.01	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	20	0.26	0.03	0.25
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	20	0.26	0.03	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	20	0.26	0.02	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	20	0.26	0.02	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	20	0.26	0.02	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	20	0.26	0.02	0.26
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	20	0.26	0.09	0.24
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	20	0.26	0.02	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	20	0.26	0.03	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	20	0.26	0.03	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	20	0.26	0.07	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	20	0.26	0.07	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	20	0.25	0.0	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	20	0.25	0.0	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	20	0.25	0.0	0.25
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	20	0.25	0.05	0.26
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	20	0.25	0.05	0.26
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	20	0.25	0.05	0.26
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	20	0.25	0.05	0.26
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	20	0.25	0.05	0.26
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	20	0.25	0.05	0.26
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	20	0.25	0.05	0.25
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	20	0.25	0.05	0.25
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	20	0.25	0.04	0.24
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	20	0.25	0.04	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	20	0.25	0.0	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	20	0.25	0.0	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	20	0.25	0.0	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	20	0.25	0.01	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	20	0.25	0.01	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	20	0.25	0.01	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	20	0.25	0.01	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	20	0.25	0.01	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	20	0.25	0.01	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	20	0.25	0.01	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	20	0.25	0.01	0.25
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	20	0.25	0.09	0.22
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	20	0.25	0.09	0.22
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	20	0.25	0.09	0.22
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	20	0.25	0.09	0.22
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	20	0.25	0.01	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	20	0.25	0.03	0.24
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	20	0.25	0.03	0.24
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	20	0.25	0.03	0.24
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	20	0.25	0.03	0.24
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	20	0.25	0.03	0.24
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	20	0.25	0.03	0.24
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	20	0.25	0.04	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	20	0.25	0.04	0.26
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	20	0.24	0.01	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	20	0.24	0.01	0.24
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	20	0.24	0.05	0.26
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	20	0.24	0.05	0.26
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	20	0.24	0.05	0.26
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	20	0.24	0.05	0.26
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	20	0.24	0.03	0.24
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.24	0.02	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	20	0.24	0.02	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	0.24	0.02	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.24	0.02	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	20	0.24	0.02	0.24
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	20	0.24	0.02	0.24
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	20	0.24	0.05	0.24
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	20	0.24	0.05	0.24
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	20	0.24	0.04	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	20	0.24	0.0	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	20	0.24	0.0	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	20	0.24	0.0	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	20	0.24	0.0	0.24
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	20	0.24	0.1	0.2
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	20	0.24	0.1	0.2
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	20	0.24	0.1	0.2
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	20	0.24	0.1	0.2
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	20	0.24	0.03	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	20	0.24	0.03	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	20	0.24	0.03	0.24
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	20	0.24	0.08	0.22
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	20	0.24	0.08	0.22
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	20	0.24	0.08	0.22
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	20	0.24	0.08	0.22
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	20	0.24	0.08	0.22
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	20	0.24	0.08	0.22
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	20	0.24	0.08	0.22
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	20	0.24	0.08	0.22
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	20	0.24	0.05	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	20	0.24	0.05	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	20	0.24	0.05	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	20	0.24	0.05	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	20	0.24	0.05	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	20	0.24	0.05	0.24
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	20	0.24	0.03	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	20	0.24	0.03	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	20	0.24	0.03	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	20	0.24	0.03	0.26
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.24	0.02	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.24	0.02	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.24	0.02	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.24	0.02	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	20	0.24	0.01	0.24
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	20	0.24	0.03	0.24
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	20	0.24	0.04	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	20	0.24	0.04	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	20	0.24	0.04	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	20	0.24	0.04	0.26
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	20	0.24	0.0	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	20	0.24	0.0	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	20	0.24	0.0	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	20	0.24	0.0	0.24
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	20	0.24	0.03	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	20	0.24	0.03	0.23
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	20	0.24	0.01	0.24
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	20	0.24	0.04	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	20	0.24	0.04	0.25
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	20	0.24	0.04	0.25
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	20	0.24	0.04	0.25
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	20	0.24	0.05	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	20	0.24	0.05	0.22
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	20	0.23	0.07	0.22
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	20	0.23	0.07	0.22
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	20	0.23	0.07	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	20	0.23	0.08	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	20	0.23	0.08	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	20	0.23	0.08	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	20	0.23	0.08	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	20	0.23	0.04	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	20	0.23	0.04	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	20	0.23	0.04	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	20	0.23	0.01	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	20	0.23	0.01	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	20	0.23	0.01	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	20	0.23	0.01	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	20	0.23	0.01	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.23	0.01	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.23	0.01	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.23	0.01	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.23	0.01	0.23
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	20	0.23	0.06	0.23
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	20	0.23	0.06	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	20	0.23	0.01	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	20	0.23	0.03	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	20	0.23	0.03	0.23
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	20	0.23	0.06	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	20	0.23	0.05	0.22
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	20	0.23	0.05	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	20	0.23	0.01	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	20	0.23	0.01	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	20	0.23	0.01	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	20	0.23	0.01	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	20	0.23	0.01	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	20	0.23	0.01	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	20	0.23	0.01	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	20	0.23	0.01	0.23
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	20	0.23	0.04	0.24
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	20	0.23	0.04	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	20	0.23	0.04	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	20	0.23	0.04	0.24
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	20	0.22	0.03	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	20	0.22	0.03	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	20	0.22	0.03	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	20	0.22	0.03	0.22
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	20	0.22	0.01	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	20	0.22	0.01	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	20	0.22	0.03	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	20	0.22	0.03	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	20	0.22	0.03	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	20	0.22	0.03	0.22
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	20	0.22	0.03	0.22
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	20	0.22	0.03	0.22
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	20	0.22	0.05	0.23
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	20	0.22	0.0	0.22
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	20	0.22	0.04	0.22
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	20	0.22	0.04	0.22
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	20	0.22	0.04	0.22
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	20	0.22	0.04	0.22
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	20	0.22	0.04	0.22
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	20	0.22	0.04	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	20	0.22	0.0	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	20	0.22	0.0	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	20	0.22	0.0	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	20	0.22	0.0	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	20	0.22	0.0	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	20	0.22	0.0	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	20	0.22	0.0	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	20	0.22	0.0	0.22
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	20	0.22	0.06	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	20	0.22	0.06	0.2
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	20	0.22	0.08	0.18
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	20	0.22	0.08	0.18
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	20	0.22	0.02	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	20	0.22	0.02	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	20	0.22	0.13	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	20	0.22	0.13	0.15
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	20	0.22	0.01	0.22
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	20	0.22	0.02	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	20	0.22	0.02	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	20	0.22	0.02	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	20	0.22	0.03	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	20	0.22	0.03	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	20	0.22	0.03	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	20	0.22	0.03	0.22
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	20	0.22	0.06	0.22
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	20	0.22	0.06	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	20	0.22	0.01	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	20	0.22	0.01	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	20	0.22	0.01	0.22
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	20	0.22	0.02	0.22
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	20	0.22	0.02	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	20	0.22	0.0	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	20	0.22	0.0	0.22
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	20	0.22	0.03	0.23
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	20	0.22	0.03	0.23
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	20	0.22	0.03	0.23
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	20	0.22	0.03	0.23
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	20	0.21	0.03	0.22
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	20	0.21	0.03	0.22
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	20	0.21	0.03	0.22
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	20	0.21	0.03	0.22
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	20	0.21	0.09	0.17
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	20	0.21	0.09	0.17
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	20	0.21	0.06	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	20	0.21	0.06	0.23
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	20	0.21	0.0	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	20	0.21	0.0	0.21
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	20	0.21	0.03	0.22
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	20	0.21	0.01	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	20	0.21	0.0	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	20	0.21	0.0	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	20	0.21	0.01	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	20	0.21	0.01	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	20	0.21	0.01	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	20	0.21	0.01	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	20	0.21	0.02	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	20	0.21	0.02	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	20	0.21	0.02	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	20	0.21	0.02	0.21
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	20	0.21	0.02	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	20	0.21	0.02	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	20	0.21	0.02	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	20	0.21	0.02	0.2
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	20	0.21	0.0	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	20	0.21	0.0	0.21
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	20	0.21	0.03	0.2
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	20	0.21	0.02	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	20	0.21	0.02	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	20	0.21	0.02	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	20	0.21	0.02	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	20	0.21	0.07	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	20	0.21	0.07	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	20	0.21	0.07	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	20	0.21	0.07	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	20	0.21	0.0	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	20	0.21	0.0	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	20	0.21	0.0	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	20	0.2	0.0	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	20	0.2	0.0	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	20	0.2	0.0	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	20	0.2	0.0	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	20	0.2	0.0	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	20	0.2	0.0	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	20	0.2	0.0	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	20	0.2	0.0	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	20	0.2	0.0	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	20	0.2	0.01	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	20	0.2	0.01	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	20	0.2	0.01	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	20	0.2	0.01	0.2
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	20	0.2	0.02	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	20	0.2	0.02	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	20	0.2	0.02	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	20	0.2	0.02	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	20	0.2	0.02	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	20	0.2	0.02	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	20	0.2	0.02	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	20	0.2	0.02	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	20	0.2	0.02	0.2
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	20	0.2	0.04	0.21
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	20	0.2	0.0	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	20	0.2	0.0	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	20	0.2	0.0	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	20	0.2	0.0	0.2
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	20	0.19	0.02	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	20	0.19	0.02	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	20	0.19	0.02	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	20	0.19	0.02	0.19
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	20	0.19	0.02	0.2
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.19	0.03	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.19	0.03	0.18
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	20	0.19	0.01	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	20	0.19	0.01	0.19
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	20	0.19	0.09	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	20	0.19	0.09	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	20	0.19	0.05	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	20	0.19	0.05	0.19
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	20	0.19	0.02	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	20	0.19	0.03	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	20	0.19	0.03	0.19
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.18	0.02	0.18
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.18	0.02	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	20	0.18	0.0	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	20	0.18	0.0	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	20	0.18	0.01	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	20	0.18	0.01	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	20	0.18	0.01	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	20	0.18	0.01	0.18
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	20	0.18	0.01	0.18
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	20	0.18	0.01	0.18
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	20	0.18	0.01	0.18
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	20	0.18	0.01	0.18
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	20	0.18	0.01	0.18
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	20	0.18	0.01	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	20	0.18	0.0	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	20	0.18	0.0	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	20	0.18	0.0	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	20	0.18	0.0	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	20	0.18	0.0	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	20	0.18	0.0	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	20	0.18	0.01	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	20	0.18	0.01	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	20	0.18	0.01	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	20	0.18	0.01	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	20	0.18	0.01	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	20	0.18	0.01	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	20	0.18	0.01	0.18
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	20	0.18	0.04	0.18
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	20	0.18	0.04	0.18
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	20	0.18	0.04	0.18
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	20	0.18	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	20	0.18	0.04	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	20	0.18	0.04	0.18
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	20	0.18	0.04	0.18
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	20	0.18	0.04	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	20	0.18	0.01	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	20	0.18	0.01	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	20	0.18	0.01	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	20	0.18	0.01	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	20	0.18	0.01	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	20	0.18	0.01	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	20	0.18	0.02	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	20	0.18	0.02	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	20	0.18	0.02	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	20	0.18	0.02	0.17
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	20	0.18	0.0	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	20	0.18	0.0	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	20	0.18	0.0	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	20	0.18	0.0	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	20	0.18	0.0	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	20	0.18	0.0	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	20	0.18	0.02	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	20	0.18	0.02	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	20	0.18	0.02	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	20	0.18	0.02	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	20	0.18	0.02	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	20	0.18	0.02	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	20	0.18	0.02	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	20	0.18	0.02	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	20	0.18	0.01	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	20	0.18	0.01	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	20	0.18	0.01	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	20	0.18	0.01	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	20	0.18	0.0	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	20	0.18	0.0	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	20	0.18	0.0	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	20	0.18	0.0	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	20	0.18	0.0	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	20	0.18	0.0	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	20	0.18	0.02	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	20	0.18	0.02	0.17
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	20	0.18	0.04	0.16
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	20	0.18	0.04	0.16
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	20	0.17	0.02	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	20	0.17	0.02	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	20	0.17	0.0	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	20	0.17	0.0	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	20	0.17	0.0	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	20	0.17	0.0	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	20	0.17	0.0	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	20	0.17	0.0	0.17
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	20	0.17	0.02	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	20	0.17	0.02	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	20	0.17	0.02	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	20	0.17	0.02	0.16
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	20	0.17	0.05	0.15
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	20	0.17	0.05	0.15
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	20	0.17	0.05	0.15
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	20	0.17	0.05	0.15
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	20	0.17	0.05	0.15
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	20	0.17	0.05	0.15
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	20	0.17	0.01	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	20	0.16	0.01	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	20	0.16	0.02	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	20	0.16	0.02	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	20	0.16	0.02	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	20	0.16	0.02	0.16
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	20	0.16	0.07	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	20	0.16	0.07	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	20	0.16	0.07	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	20	0.16	0.07	0.12
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	20	0.16	0.01	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	20	0.16	0.01	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	20	0.16	0.01	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	20	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	20	0.16	0.01	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	20	0.16	0.01	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	20	0.16	0.01	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	20	0.16	0.01	0.16
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	20	0.16	0.02	0.15
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	20	0.16	0.03	0.15
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	20	0.16	0.03	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	20	0.16	0.01	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	20	0.16	0.01	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	20	0.16	0.01	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	20	0.16	0.01	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	20	0.16	0.01	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	20	0.16	0.01	0.16
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	20	0.16	0.02	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	20	0.15	0.01	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	20	0.15	0.0	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	20	0.15	0.0	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	20	0.15	0.0	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	20	0.15	0.01	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	20	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	20	0.15	0.01	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	20	0.15	0.01	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	20	0.15	0.01	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	20	0.15	0.01	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	20	0.15	0.01	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	20	0.15	0.01	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	20	0.15	0.01	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	20	0.15	0.01	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	20	0.15	0.01	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	20	0.15	0.01	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.15	0.01	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.15	0.01	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	20	0.15	0.0	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	20	0.15	0.0	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	20	0.15	0.0	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	20	0.15	0.0	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	20	0.15	0.0	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	20	0.15	0.0	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	20	0.15	0.0	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	20	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	20	0.15	0.01	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	20	0.15	0.01	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	20	0.15	0.01	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	20	0.15	0.01	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	20	0.15	0.01	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	20	0.15	0.01	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	20	0.15	0.01	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	20	0.15	0.01	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	20	0.15	0.0	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	20	0.15	0.0	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	20	0.15	0.0	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	20	0.15	0.02	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	20	0.15	0.02	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	20	0.15	0.02	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	20	0.15	0.0	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	20	0.15	0.0	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	20	0.15	0.0	0.15
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	20	0.15	0.03	0.14
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	20	0.15	0.02	0.14
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	20	0.14	0.01	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	20	0.14	0.02	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	20	0.14	0.02	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	20	0.14	0.02	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	20	0.14	0.02	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	20	0.14	0.01	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	20	0.14	0.01	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	20	0.14	0.01	0.14
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	20	0.14	0.02	0.14
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	20	0.14	0.02	0.14
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	20	0.14	0.02	0.14
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	20	0.14	0.02	0.14
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	20	0.14	0.02	0.14
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	20	0.14	0.02	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	20	0.14	0.02	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	20	0.14	0.02	0.14
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	20	0.14	0.02	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	20	0.14	0.02	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.14	0.02	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.14	0.02	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.14	0.02	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.14	0.02	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	20	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	20	0.14	0.0	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	20	0.13	0.0	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	20	0.13	0.0	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	20	0.13	0.0	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	20	0.13	0.01	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	20	0.13	0.0	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	20	0.13	0.0	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	20	0.13	0.0	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	20	0.13	0.0	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	20	0.13	0.0	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	20	0.13	0.0	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	20	0.13	0.0	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	20	0.13	0.0	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	20	0.13	0.0	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	20	0.13	0.01	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	20	0.13	0.01	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	20	0.13	0.01	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	20	0.13	0.01	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	20	0.13	0.01	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	20	0.13	0.01	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	20	0.13	0.01	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	20	0.13	0.01	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	20	0.13	0.01	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	20	0.13	0.0	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	20	0.13	0.0	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.13	0.01	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.13	0.01	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.13	0.01	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	20	0.13	0.0	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	20	0.13	0.0	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	20	0.12	0.0	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	20	0.12	0.0	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	20	0.12	0.01	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	20	0.12	0.01	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	20	0.12	0.01	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	20	0.12	0.01	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	20	0.12	0.0	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	20	0.12	0.0	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	20	0.12	0.0	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	20	0.12	0.0	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	20	0.12	0.01	0.12
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	20	0.12	0.02	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	20	0.12	0.02	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	20	0.11	0.01	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	20	0.11	0.01	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	20	0.11	0.01	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	20	0.11	0.01	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	20	0.11	0.01	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	20	0.11	0.01	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	20	0.11	0.01	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	20	0.11	0.01	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	20	0.11	0.01	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	20	0.11	0.01	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	20	0.11	0.01	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	20	0.11	0.01	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	20	0.11	0.01	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	20	0.11	0.01	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	20	0.11	0.01	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	20	0.11	0.01	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	20	0.11	0.01	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	20	0.11	0.0	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	20	0.11	0.0	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	20	0.11	0.0	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	20	0.11	0.0	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	20	0.11	0.0	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	20	0.11	0.0	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	20	0.11	0.0	0.11
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	19	0.36	0.12	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	19	0.36	0.12	0.35
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	19	0.35	0.07	0.36
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	19	0.31	0.1	0.35
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	19	0.31	0.1	0.35
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	19	0.31	0.1	0.29
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	19	0.31	0.1	0.29
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	19	0.3	0.08	0.31
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	19	0.3	0.08	0.31
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	19	0.28	0.06	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	19	0.28	0.06	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	19	0.28	0.06	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	19	0.28	0.06	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	19	0.28	0.06	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	19	0.28	0.06	0.3
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	19	0.28	0.09	0.25
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	19	0.28	0.08	0.28
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	19	0.28	0.08	0.28
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	19	0.28	0.1	0.25
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	19	0.28	0.01	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	19	0.28	0.01	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	19	0.28	0.01	0.28
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	19	0.28	0.07	0.26
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	19	0.28	0.09	0.31
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	19	0.28	0.09	0.31
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	19	0.27	0.05	0.28
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	19	0.26	0.06	0.27
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	19	0.26	0.06	0.27
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	19	0.25	0.09	0.24
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	19	0.25	0.09	0.24
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	19	0.25	0.09	0.24
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	19	0.25	0.09	0.24
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	19	0.25	0.09	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	19	0.25	0.09	0.24
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	19	0.24	0.04	0.25
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	19	0.24	0.04	0.25
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	19	0.24	0.07	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	19	0.24	0.07	0.23
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	19	0.24	0.13	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	19	0.24	0.13	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	19	0.24	0.13	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	19	0.24	0.13	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	19	0.24	0.13	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	19	0.24	0.13	0.17
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	19	0.23	0.08	0.26
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	19	0.23	0.08	0.26
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	19	0.23	0.03	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	19	0.23	0.03	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	19	0.23	0.03	0.23
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	19	0.23	0.06	0.25
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	19	0.23	0.06	0.25
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	19	0.23	0.06	0.25
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	19	0.23	0.06	0.25
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	19	0.22	0.07	0.22
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	19	0.22	0.07	0.22
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	19	0.22	0.06	0.22
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	19	0.22	0.06	0.22
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	19	0.22	0.09	0.21
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	19	0.22	0.09	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	19	0.21	0.08	0.22
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	19	0.21	0.08	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	19	0.21	0.08	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	19	0.21	0.08	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	19	0.21	0.08	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	19	0.21	0.08	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	19	0.21	0.08	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	19	0.21	0.08	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	19	0.21	0.03	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	19	0.21	0.03	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	19	0.21	0.03	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	19	0.21	0.03	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	19	0.21	0.03	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	19	0.21	0.03	0.22
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	19	0.21	0.05	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	19	0.21	0.05	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	19	0.21	0.05	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	19	0.21	0.05	0.21
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	19	0.21	0.06	0.21
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	19	0.21	0.06	0.21
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	19	0.21	0.06	0.21
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	19	0.21	0.06	0.21
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	19	0.21	0.06	0.21
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	19	0.21	0.06	0.21
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	19	0.2	0.04	0.21
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	19	0.2	0.04	0.21
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	19	0.2	0.04	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	19	0.2	0.04	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	19	0.2	0.04	0.2
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	19	0.2	0.05	0.19
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	19	0.2	0.05	0.19
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	19	0.19	0.06	0.19
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	19	0.19	0.06	0.19
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	19	0.19	0.06	0.19
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	19	0.19	0.06	0.19
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	19	0.19	0.05	0.19
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	19	0.19	0.04	0.2
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	19	0.19	0.04	0.2
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	19	0.18	0.04	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	19	0.18	0.04	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	19	0.18	0.04	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	19	0.18	0.04	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	19	0.18	0.04	0.19
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	19	0.18	0.04	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	19	0.18	0.02	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	19	0.18	0.02	0.18
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	19	0.18	0.04	0.18
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	19	0.18	0.04	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	19	0.18	0.02	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	19	0.18	0.02	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	19	0.18	0.01	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	19	0.18	0.01	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	19	0.18	0.01	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	19	0.18	0.01	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	19	0.18	0.01	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	19	0.18	0.01	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	19	0.18	0.01	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	19	0.18	0.01	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	19	0.18	0.01	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	19	0.18	0.01	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	19	0.18	0.01	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	19	0.18	0.01	0.18
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	19	0.17	0.08	0.14
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	19	0.17	0.03	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	19	0.17	0.01	0.17
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	19	0.17	0.03	0.16
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	19	0.16	0.04	0.16
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	19	0.16	0.04	0.15
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	19	0.16	0.04	0.15
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	19	0.16	0.04	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	19	0.16	0.04	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	19	0.16	0.04	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	19	0.16	0.04	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	19	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	19	0.16	0.04	0.16
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	19	0.15	0.03	0.14
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	19	0.15	0.03	0.14
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	19	0.15	0.03	0.14
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	19	0.15	0.03	0.14
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	19	0.15	0.03	0.14
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	19	0.15	0.03	0.14
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	19	0.15	0.03	0.14
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	19	0.15	0.03	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	19	0.14	0.05	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	19	0.14	0.05	0.14
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	19	0.13	0.02	0.12
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	19	0.11	0.0	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	19	0.11	0.0	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	19	0.11	0.0	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	19	0.11	0.0	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	19	0.11	0.0	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	19	0.11	0.0	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	19	0.11	0.0	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	19	0.11	0.0	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	19	0.11	0.0	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	19	0.11	0.0	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	19	0.11	0.0	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	19	0.11	0.0	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	19	0.11	0.0	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	19	0.11	0.0	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	19	0.11	0.0	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	19	0.11	0.0	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.1	0.0	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.1	0.0	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.1	0.0	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.1	0.0	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.1	0.0	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.1	0.0	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.1	0.0	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.1	0.0	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.1	0.0	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.1	0.0	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.1	0.0	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.1	0.0	0.1
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	18	0.33	0.05	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	18	0.33	0.05	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	18	0.29	0.1	0.34
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	18	0.29	0.1	0.34
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	18	0.29	0.1	0.34
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	18	0.29	0.1	0.34
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	18	0.28	0.11	0.28
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	18	0.28	0.11	0.28
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	18	0.28	0.11	0.28
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	18	0.28	0.09	0.31
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	18	0.28	0.09	0.31
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	18	0.28	0.09	0.31
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	18	0.27	0.09	0.24
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	18	0.25	0.07	0.27
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	18	0.25	0.1	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	18	0.25	0.1	0.18
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	18	0.23	0.07	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	18	0.23	0.07	0.22
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	18	0.23	0.07	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	18	0.23	0.07	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	18	0.23	0.07	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	18	0.23	0.07	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	18	0.23	0.07	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	18	0.23	0.07	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	18	0.23	0.07	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	18	0.23	0.07	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	18	0.23	0.07	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	18	0.23	0.07	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	18	0.23	0.07	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	18	0.23	0.07	0.27
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	18	0.23	0.11	0.18
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	18	0.23	0.11	0.18
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	18	0.22	0.06	0.22
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	18	0.22	0.06	0.2
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	18	0.22	0.06	0.2
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	18	0.22	0.11	0.18
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	18	0.22	0.11	0.18
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	18	0.22	0.11	0.18
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	18	0.22	0.11	0.18
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	18	0.21	0.02	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	18	0.21	0.02	0.22
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	18	0.21	0.05	0.22
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	18	0.21	0.05	0.22
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	18	0.2	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	18	0.2	0.06	0.2
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	18	0.2	0.06	0.2
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	18	0.2	0.03	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	18	0.2	0.03	0.21
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	18	0.19	0.05	0.2
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	18	0.19	0.05	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	18	0.19	0.05	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	18	0.19	0.05	0.19
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	18	0.19	0.05	0.19
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	18	0.18	0.05	0.16
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	18	0.18	0.05	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	18	0.17	0.03	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	18	0.17	0.03	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	18	0.17	0.03	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	18	0.17	0.03	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	18	0.17	0.03	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	18	0.17	0.03	0.18
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	18	0.17	0.03	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	18	0.17	0.03	0.17
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	18	0.17	0.04	0.15
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	18	0.17	0.04	0.15
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	18	0.16	0.05	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	18	0.16	0.05	0.16
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	18	0.16	0.03	0.16
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	18	0.16	0.03	0.16
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	18	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	18	0.15	0.03	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	18	0.15	0.03	0.14
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	18	0.15	0.05	0.14
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	18	0.15	0.05	0.14
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	18	0.13	0.01	0.13
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	18	0.13	0.01	0.13
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	18	0.13	0.02	0.13
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	18	0.13	0.02	0.13
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	17	0.28	0.12	0.27
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	17	0.28	0.12	0.27
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	17	0.28	0.12	0.27
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	17	0.28	0.12	0.27
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	17	0.27	0.08	0.27
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	17	0.27	0.08	0.27
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	17	0.27	0.08	0.27
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	17	0.27	0.08	0.27
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	17	0.27	0.04	0.26
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	17	0.26	0.06	0.28
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	17	0.26	0.06	0.28
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	17	0.23	0.06	0.23
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	17	0.23	0.06	0.23
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	17	0.23	0.09	0.23
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	17	0.23	0.09	0.23
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	17	0.22	0.07	0.23
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	17	0.2	0.04	0.21
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	17	0.2	0.04	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	17	0.2	0.03	0.2
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	17	0.2	0.03	0.2
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	17	0.2	0.03	0.2
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	17	0.2	0.03	0.2
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	17	0.19	0.06	0.18
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	17	0.19	0.06	0.18
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	17	0.19	0.06	0.18
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	17	0.19	0.06	0.18
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	17	0.19	0.06	0.18
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	17	0.19	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	17	0.18	0.09	0.16
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	17	0.17	0.05	0.15
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	17	0.17	0.05	0.15
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	17	0.17	0.04	0.17
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	17	0.17	0.04	0.17
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	17	0.17	0.04	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	17	0.17	0.01	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	17	0.17	0.01	0.17
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	17	0.16	0.03	0.17
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	17	0.16	0.03	0.17
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	17	0.16	0.03	0.17
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	17	0.16	0.04	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	17	0.16	0.04	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	17	0.16	0.04	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	17	0.16	0.04	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	17	0.16	0.04	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	17	0.16	0.04	0.15
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	17	0.16	0.03	0.16
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	17	0.16	0.03	0.16
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	17	0.16	0.04	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	17	0.15	0.01	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	17	0.15	0.01	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	17	0.15	0.01	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	17	0.15	0.01	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	17	0.15	0.04	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	17	0.15	0.04	0.15
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	17	0.15	0.04	0.14
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	17	0.15	0.04	0.14
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	17	0.15	0.04	0.14
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	17	0.15	0.04	0.14
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	17	0.14	0.04	0.13
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	17	0.14	0.03	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	17	0.14	0.03	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	17	0.14	0.03	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	17	0.14	0.03	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	17	0.14	0.02	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	17	0.14	0.02	0.14
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	17	0.13	0.03	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	17	0.13	0.03	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	17	0.12	0.01	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	17	0.12	0.01	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	17	0.12	0.01	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	17	0.12	0.01	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	17	0.12	0.01	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	17	0.12	0.01	0.12
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	17	0.12	0.01	0.12
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	17	0.11	0.0	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	17	0.11	0.0	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	17	0.11	0.0	0.11
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	16	0.36	0.06	0.35
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	16	0.36	0.06	0.35
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	16	0.32	0.08	0.32
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	16	0.3	0.03	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	16	0.3	0.03	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	16	0.3	0.03	0.3
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	16	0.25	0.03	0.25
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	16	0.25	0.03	0.25
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	16	0.23	0.08	0.2
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	16	0.21	0.08	0.18
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	16	0.21	0.08	0.18
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	16	0.2	0.06	0.2
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	16	0.2	0.06	0.2
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	16	0.19	0.03	0.18
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	16	0.19	0.03	0.18
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	16	0.18	0.04	0.18
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	16	0.18	0.03	0.18
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	16	0.18	0.03	0.18
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	16	0.18	0.03	0.18
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	16	0.18	0.03	0.18
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	16	0.18	0.05	0.18
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	16	0.18	0.05	0.18
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	16	0.18	0.05	0.18
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	16	0.18	0.05	0.18
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	16	0.18	0.05	0.18
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	16	0.18	0.05	0.18
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	16	0.17	0.03	0.16
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	16	0.17	0.03	0.16
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	16	0.16	0.06	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	16	0.16	0.06	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	16	0.16	0.06	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	16	0.16	0.06	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	16	0.16	0.06	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	16	0.16	0.06	0.15
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	16	0.16	0.02	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	16	0.16	0.02	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	16	0.16	0.02	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	16	0.16	0.02	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	16	0.16	0.02	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	16	0.16	0.02	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	16	0.16	0.02	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	16	0.16	0.02	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	16	0.16	0.02	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	16	0.16	0.02	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	16	0.16	0.02	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	16	0.16	0.02	0.17
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	16	0.16	0.05	0.16
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	16	0.16	0.05	0.16
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	16	0.16	0.04	0.16
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	16	0.15	0.04	0.14
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	16	0.15	0.04	0.14
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	16	0.15	0.02	0.15
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	16	0.15	0.02	0.15
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	16	0.15	0.04	0.14
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	16	0.15	0.04	0.14
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	16	0.15	0.03	0.14
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	16	0.15	0.03	0.14
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	16	0.14	0.03	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	16	0.14	0.03	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	16	0.14	0.03	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	16	0.14	0.03	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	16	0.13	0.01	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	16	0.13	0.01	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	16	0.13	0.01	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	16	0.13	0.01	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	16	0.13	0.01	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	16	0.13	0.01	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	16	0.13	0.01	0.13
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	16	0.13	0.01	0.13
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	16	0.13	0.01	0.13
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	16	0.13	0.01	0.13
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	16	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	16	0.13	0.01	0.13
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	16	0.13	0.01	0.13
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	16	0.1	0.0	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	16	0.1	0.0	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	16	0.1	0.0	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	16	0.1	0.0	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	16	0.1	0.0	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	16	0.1	0.0	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	16	0.1	0.0	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	16	0.1	0.0	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	16	0.1	0.0	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	16	0.1	0.0	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	16	0.1	0.0	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	16	0.1	0.0	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	16	0.1	0.0	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	16	0.1	0.0	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	16	0.1	0.0	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	16	0.1	0.0	0.1
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	15	0.4	0.06	0.39
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	15	0.4	0.06	0.39
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	15	0.3	0.06	0.29
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	15	0.3	0.06	0.29
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	15	0.29	0.05	0.29
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	15	0.29	0.05	0.29
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	15	0.29	0.05	0.29
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	15	0.29	0.05	0.29
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	15	0.29	0.05	0.29
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	15	0.29	0.05	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	15	0.29	0.06	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	15	0.29	0.06	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	15	0.29	0.06	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	15	0.29	0.06	0.29
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	15	0.26	0.04	0.25
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	15	0.26	0.04	0.25
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	15	0.22	0.11	0.18
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	15	0.22	0.02	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	15	0.22	0.02	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	15	0.22	0.02	0.22
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	15	0.2	0.05	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	15	0.2	0.05	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	15	0.2	0.05	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	15	0.2	0.04	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	15	0.2	0.04	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	15	0.2	0.04	0.19
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	15	0.19	0.05	0.19
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	15	0.19	0.05	0.19
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	15	0.19	0.07	0.18
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	15	0.19	0.07	0.18
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	15	0.19	0.05	0.2
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	15	0.19	0.05	0.2
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	15	0.19	0.05	0.2
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	15	0.19	0.05	0.2
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	15	0.19	0.05	0.2
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	15	0.19	0.05	0.2
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	15	0.18	0.07	0.17
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	15	0.18	0.07	0.17
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	15	0.18	0.07	0.17
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	15	0.18	0.06	0.16
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	15	0.18	0.06	0.16
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	15	0.18	0.06	0.16
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	15	0.18	0.06	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	15	0.18	0.06	0.16
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	15	0.18	0.06	0.16
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	15	0.17	0.06	0.17
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	15	0.17	0.06	0.17
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	15	0.17	0.06	0.17
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	15	0.17	0.04	0.18
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	15	0.17	0.04	0.18
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	15	0.16	0.02	0.15
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	15	0.16	0.02	0.15
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	15	0.16	0.02	0.15
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	15	0.16	0.02	0.15
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	15	0.15	0.03	0.17
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	15	0.15	0.02	0.16
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	15	0.15	0.02	0.16
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	15	0.15	0.06	0.13
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	15	0.15	0.06	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	15	0.15	0.06	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	15	0.15	0.06	0.13
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	15	0.15	0.06	0.13
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	15	0.15	0.06	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	15	0.15	0.03	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	15	0.15	0.03	0.13
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	15	0.14	0.02	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	15	0.14	0.02	0.14
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	15	0.14	0.03	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	15	0.14	0.03	0.12
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	15	0.13	0.01	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	15	0.13	0.01	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	15	0.13	0.01	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	15	0.13	0.01	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	15	0.13	0.01	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	15	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	15	0.12	0.02	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	15	0.12	0.02	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	15	0.12	0.02	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	15	0.12	0.02	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	15	0.12	0.02	0.12
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	15	0.12	0.01	0.12
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	15	0.12	0.01	0.12
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	14	0.39	0.06	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	14	0.39	0.06	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	14	0.39	0.06	0.42
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	14	0.31	0.04	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	14	0.31	0.04	0.32
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	14	0.26	0.12	0.27
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	14	0.26	0.12	0.27
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	14	0.26	0.03	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	14	0.26	0.03	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	14	0.26	0.03	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	14	0.26	0.03	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	14	0.24	0.05	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	14	0.24	0.05	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	14	0.24	0.05	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	14	0.24	0.05	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	14	0.23	0.04	0.24
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	14	0.23	0.04	0.24
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	14	0.22	0.09	0.22
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	14	0.22	0.09	0.22
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	14	0.22	0.05	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	14	0.22	0.05	0.22
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	14	0.22	0.05	0.22
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	14	0.2	0.01	0.2
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	14	0.2	0.01	0.2
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	14	0.2	0.01	0.2
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	14	0.2	0.01	0.2
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	14	0.2	0.01	0.2
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	14	0.2	0.01	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	14	0.2	0.01	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	14	0.2	0.01	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	14	0.2	0.01	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	14	0.2	0.01	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	14	0.2	0.01	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	14	0.2	0.01	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	14	0.2	0.01	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	14	0.2	0.01	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	14	0.2	0.01	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	14	0.2	0.01	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	14	0.2	0.01	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	14	0.2	0.01	0.2
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	14	0.19	0.03	0.2
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	14	0.19	0.03	0.2
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	14	0.19	0.07	0.18
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	14	0.19	0.07	0.18
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	14	0.19	0.07	0.18
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	14	0.19	0.07	0.18
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	14	0.19	0.07	0.18
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	14	0.19	0.07	0.18
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	14	0.18	0.05	0.16
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	14	0.18	0.05	0.16
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	14	0.18	0.05	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	14	0.17	0.03	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	14	0.17	0.03	0.17
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	14	0.17	0.03	0.17
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	14	0.17	0.03	0.17
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	14	0.17	0.04	0.15
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	14	0.16	0.05	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	14	0.16	0.07	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	14	0.16	0.07	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	14	0.16	0.07	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	14	0.16	0.07	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	14	0.14	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	14	0.14	0.03	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	14	0.14	0.03	0.15
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	14	0.14	0.01	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	14	0.14	0.01	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	14	0.14	0.01	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	14	0.14	0.01	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	14	0.14	0.01	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	14	0.14	0.01	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	14	0.14	0.01	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	14	0.14	0.01	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	14	0.14	0.01	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	14	0.14	0.01	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	14	0.14	0.01	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	14	0.14	0.01	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	14	0.14	0.01	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	14	0.14	0.01	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	14	0.13	0.02	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	14	0.13	0.02	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	14	0.13	0.02	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	14	0.13	0.02	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	14	0.13	0.02	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	14	0.13	0.02	0.13
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	14	0.12	0.01	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	14	0.12	0.01	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	14	0.12	0.01	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	14	0.12	0.01	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	14	0.11	0.0	0.11
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	13	0.42	0.05	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	13	0.42	0.05	0.42
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	13	0.42	0.05	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	13	0.39	0.08	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	13	0.39	0.08	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	13	0.39	0.08	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	13	0.39	0.08	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	13	0.39	0.08	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	13	0.39	0.08	0.41
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	13	0.32	0.12	0.36
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	13	0.32	0.12	0.36
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	13	0.25	0.07	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	13	0.25	0.07	0.22
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	13	0.24	0.11	0.17
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	13	0.22	0.08	0.21
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	13	0.22	0.08	0.21
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	13	0.22	0.06	0.19
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	13	0.22	0.06	0.19
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	13	0.21	0.02	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	13	0.21	0.02	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	13	0.21	0.02	0.22
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	13	0.2	0.07	0.18
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	13	0.2	0.07	0.18
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	13	0.2	0.06	0.22
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	13	0.2	0.06	0.22
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	13	0.2	0.06	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	13	0.2	0.06	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	13	0.2	0.06	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	13	0.2	0.06	0.18
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	13	0.2	0.09	0.17
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	13	0.2	0.09	0.17
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	13	0.2	0.08	0.22
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	13	0.2	0.08	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	13	0.19	0.07	0.17
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	13	0.19	0.07	0.17
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	13	0.18	0.07	0.15
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	13	0.18	0.07	0.15
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	13	0.18	0.02	0.18
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	13	0.18	0.07	0.15
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	13	0.17	0.04	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	13	0.17	0.04	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	13	0.17	0.04	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	13	0.17	0.04	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	13	0.17	0.04	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	13	0.17	0.04	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	13	0.17	0.05	0.15
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	13	0.17	0.05	0.15
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	13	0.16	0.03	0.18
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	13	0.16	0.03	0.18
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	13	0.16	0.04	0.16
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	13	0.16	0.04	0.16
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	13	0.15	0.03	0.15
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	13	0.15	0.03	0.15
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	13	0.15	0.03	0.15
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	13	0.15	0.03	0.15
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	13	0.15	0.04	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	13	0.15	0.04	0.14
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	13	0.15	0.04	0.14
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	13	0.15	0.03	0.14
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	13	0.15	0.03	0.14
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	13	0.15	0.0	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	13	0.15	0.0	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	13	0.15	0.0	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	13	0.15	0.0	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	13	0.15	0.0	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	13	0.15	0.0	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	13	0.15	0.0	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	13	0.15	0.0	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	13	0.15	0.0	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	13	0.15	0.0	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	13	0.15	0.0	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	13	0.15	0.0	0.15
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	13	0.15	0.04	0.13
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	13	0.15	0.04	0.13
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	13	0.15	0.04	0.13
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	13	0.15	0.04	0.13
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	13	0.15	0.04	0.13
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	13	0.15	0.04	0.13
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	13	0.14	0.03	0.14
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	13	0.14	0.03	0.14
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	13	0.14	0.01	0.14
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	13	0.14	0.03	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	13	0.14	0.03	0.12
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	13	0.14	0.02	0.14
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	13	0.13	0.02	0.14
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	13	0.13	0.02	0.14
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	13	0.13	0.02	0.14
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	13	0.13	0.02	0.14
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	13	0.13	0.02	0.14
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	13	0.13	0.02	0.14
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	13	0.13	0.02	0.12
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	13	0.13	0.02	0.12
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	13	0.13	0.02	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	13	0.13	0.02	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	13	0.13	0.02	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	13	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	13	0.13	0.02	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	13	0.13	0.02	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	13	0.13	0.02	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	13	0.12	0.01	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	13	0.12	0.01	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	13	0.12	0.02	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	13	0.12	0.02	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	13	0.12	0.02	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	13	0.12	0.02	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	13	0.12	0.02	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	13	0.12	0.02	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	13	0.12	0.02	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	13	0.12	0.02	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	13	0.12	0.02	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	13	0.12	0.02	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	13	0.12	0.02	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	13	0.12	0.02	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	13	0.12	0.01	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	13	0.12	0.01	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	13	0.12	0.01	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	13	0.12	0.01	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	13	0.12	0.01	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	13	0.12	0.01	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	13	0.12	0.01	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	13	0.12	0.01	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	13	0.12	0.01	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	13	0.12	0.01	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	13	0.12	0.01	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	13	0.12	0.01	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	13	0.12	0.01	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	13	0.12	0.01	0.12
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	13	0.12	0.01	0.12
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	13	0.12	0.01	0.12
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	13	0.12	0.01	0.12
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	13	0.12	0.01	0.12
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	13	0.12	0.01	0.12
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	13	0.12	0.01	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	13	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	13	0.11	0.01	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	13	0.11	0.01	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	13	0.11	0.01	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	13	0.11	0.01	0.11
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	13	0.11	0.01	0.11
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	13	0.11	0.01	0.11
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	12	0.3	0.12	0.32
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	12	0.3	0.12	0.32
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	12	0.3	0.12	0.32
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	12	0.3	0.12	0.32
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	12	0.3	0.12	0.32
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	12	0.3	0.12	0.32
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	12	0.24	0.04	0.24
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	12	0.24	0.04	0.24
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	12	0.24	0.04	0.24
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	12	0.23	0.08	0.23
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	12	0.23	0.08	0.23
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	12	0.23	0.09	0.28
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	12	0.23	0.09	0.28
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	12	0.23	0.09	0.28
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	12	0.23	0.09	0.28
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	12	0.23	0.09	0.28
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	12	0.23	0.09	0.28
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	12	0.23	0.09	0.28
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	12	0.23	0.09	0.28
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	12	0.23	0.07	0.24
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	12	0.23	0.07	0.24
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	12	0.23	0.07	0.24
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	12	0.23	0.07	0.24
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	12	0.2	0.06	0.17
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	12	0.2	0.06	0.17
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	12	0.19	0.08	0.19
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	12	0.19	0.08	0.19
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	12	0.19	0.08	0.19
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	12	0.19	0.08	0.19
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	12	0.19	0.08	0.19
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	12	0.19	0.08	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	12	0.18	0.05	0.18
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	12	0.18	0.05	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	12	0.17	0.05	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	12	0.17	0.05	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	12	0.17	0.05	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	12	0.17	0.05	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	12	0.17	0.05	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	12	0.17	0.05	0.17
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	12	0.17	0.03	0.16
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	12	0.17	0.03	0.16
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	12	0.17	0.04	0.16
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	12	0.17	0.04	0.16
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	12	0.17	0.04	0.16
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	12	0.17	0.04	0.16
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	12	0.17	0.04	0.16
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	12	0.17	0.04	0.16
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	12	0.16	0.04	0.16
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	12	0.15	0.04	0.14
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	12	0.15	0.04	0.14
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	12	0.15	0.04	0.14
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	12	0.15	0.04	0.14
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	12	0.15	0.04	0.14
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	12	0.15	0.04	0.14
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	12	0.15	0.03	0.16
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	12	0.15	0.03	0.16
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	12	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	12	0.15	0.03	0.16
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	12	0.15	0.03	0.16
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	12	0.15	0.03	0.16
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	12	0.15	0.03	0.16
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	12	0.15	0.03	0.16
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	12	0.15	0.03	0.16
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	12	0.15	0.03	0.16
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	12	0.15	0.03	0.16
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	12	0.15	0.03	0.16
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	12	0.15	0.03	0.14
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	12	0.15	0.03	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	12	0.15	0.03	0.14
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	12	0.15	0.04	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	12	0.15	0.04	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	12	0.15	0.04	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	12	0.15	0.04	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	12	0.15	0.04	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	12	0.15	0.04	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	12	0.15	0.06	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	12	0.15	0.06	0.12
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	12	0.14	0.03	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	12	0.14	0.03	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	12	0.14	0.03	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	12	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	12	0.14	0.03	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	12	0.14	0.03	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	12	0.14	0.02	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	12	0.14	0.02	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	12	0.14	0.02	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	12	0.14	0.02	0.14
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	12	0.12	0.02	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	12	0.12	0.02	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	12	0.12	0.01	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	12	0.12	0.01	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	12	0.11	0.01	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	12	0.11	0.01	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	12	0.11	0.01	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	12	0.11	0.01	0.11
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	12	0.11	0.01	0.11
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	12	0.11	0.01	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	12	0.11	0.01	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	12	0.11	0.01	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	12	0.11	0.01	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	12	0.11	0.01	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	12	0.11	0.01	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	12	0.11	0.01	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	12	0.11	0.01	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	12	0.11	0.01	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	12	0.11	0.01	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	12	0.11	0.01	0.11
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	11	0.29	0.08	0.29
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	11	0.29	0.08	0.29
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	11	0.25	0.09	0.24
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	11	0.25	0.09	0.24
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	11	0.25	0.04	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	11	0.25	0.04	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	11	0.24	0.1	0.22
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	11	0.24	0.1	0.22
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	11	0.24	0.1	0.22
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	11	0.24	0.1	0.22
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	11	0.24	0.07	0.27
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	11	0.24	0.07	0.24
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	11	0.24	0.07	0.24
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	11	0.24	0.07	0.24
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	11	0.24	0.07	0.24
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	11	0.24	0.07	0.24
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	11	0.24	0.07	0.24
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	11	0.24	0.05	0.23
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	11	0.24	0.05	0.23
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	11	0.23	0.02	0.22
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	11	0.23	0.02	0.22
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	11	0.21	0.04	0.22
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	11	0.21	0.04	0.22
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	11	0.19	0.05	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	11	0.19	0.05	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	11	0.19	0.05	0.16
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	11	0.18	0.06	0.17
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	11	0.18	0.06	0.17
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	11	0.18	0.06	0.17
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	11	0.18	0.06	0.17
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	11	0.17	0.06	0.16
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	11	0.17	0.06	0.14
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	11	0.17	0.06	0.14
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	11	0.16	0.06	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	11	0.16	0.06	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	11	0.16	0.06	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	11	0.16	0.06	0.12
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	11	0.16	0.06	0.12
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	11	0.16	0.06	0.12
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	11	0.16	0.04	0.15
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	11	0.16	0.04	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	11	0.16	0.05	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	11	0.16	0.05	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	11	0.16	0.05	0.15
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	11	0.15	0.05	0.13
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	11	0.15	0.05	0.13
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	11	0.15	0.05	0.13
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	11	0.15	0.05	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	11	0.15	0.05	0.13
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	11	0.15	0.05	0.13
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	11	0.15	0.04	0.15
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	11	0.15	0.04	0.15
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	11	0.15	0.05	0.12
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	11	0.14	0.02	0.13
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	11	0.14	0.02	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	11	0.14	0.02	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	11	0.14	0.02	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	11	0.14	0.02	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	11	0.14	0.02	0.13
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	11	0.14	0.03	0.12
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	11	0.14	0.03	0.12
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	11	0.14	0.03	0.12
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	11	0.14	0.03	0.12
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	11	0.14	0.03	0.12
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	11	0.14	0.03	0.12
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	11	0.13	0.04	0.13
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	11	0.13	0.04	0.13
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	11	0.13	0.04	0.13
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	11	0.13	0.04	0.13
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	11	0.13	0.04	0.13
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	11	0.13	0.04	0.13
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	11	0.12	0.01	0.12
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	11	0.12	0.01	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	11	0.12	0.01	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	11	0.12	0.01	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	11	0.12	0.01	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	11	0.12	0.01	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	11	0.12	0.01	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	11	0.11	0.01	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	11	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	11	0.11	0.0	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	11	0.11	0.0	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	11	0.11	0.0	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	11	0.11	0.0	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	11	0.11	0.0	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	11	0.11	0.0	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	11	0.11	0.0	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	11	0.11	0.0	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	11	0.11	0.0	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	11	0.11	0.0	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	11	0.11	0.0	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	11	0.11	0.0	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	11	0.11	0.01	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	11	0.11	0.01	0.11
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	11	0.11	0.01	0.11
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	11	0.11	0.01	0.11
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	10	0.27	0.08	0.29
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	10	0.27	0.08	0.29
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	10	0.27	0.08	0.29
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	10	0.24	0.08	0.23
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	10	0.22	0.11	0.18
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	10	0.22	0.11	0.18
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	10	0.22	0.11	0.18
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	10	0.22	0.11	0.18
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	10	0.22	0.11	0.18
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	10	0.22	0.11	0.18
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	10	0.22	0.09	0.2
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	10	0.22	0.09	0.2
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	10	0.22	0.09	0.2
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	10	0.22	0.09	0.2
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	10	0.22	0.09	0.2
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	10	0.22	0.09	0.2
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	10	0.22	0.09	0.27
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	10	0.22	0.09	0.27
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	10	0.21	0.05	0.2
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	10	0.21	0.04	0.2
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	10	0.21	0.04	0.2
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	10	0.21	0.04	0.21
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	10	0.21	0.04	0.21
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	10	0.2	0.12	0.15
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	10	0.2	0.12	0.15
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	10	0.2	0.12	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	10	0.2	0.12	0.15
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	10	0.2	0.08	0.18
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	10	0.2	0.08	0.18
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	10	0.2	0.07	0.18
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	10	0.2	0.07	0.18
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	10	0.2	0.07	0.18
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	10	0.2	0.07	0.18
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	10	0.17	0.05	0.16
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	10	0.17	0.05	0.16
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	10	0.17	0.05	0.16
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	10	0.17	0.05	0.16
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	10	0.17	0.05	0.16
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	10	0.17	0.05	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	10	0.17	0.08	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	10	0.17	0.08	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	10	0.17	0.08	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	10	0.17	0.08	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	10	0.17	0.08	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	10	0.17	0.08	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	10	0.17	0.08	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	10	0.17	0.08	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.17	0.01	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.17	0.01	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.17	0.01	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	10	0.17	0.01	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	10	0.17	0.01	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	10	0.17	0.01	0.16
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	10	0.17	0.06	0.14
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	10	0.17	0.06	0.14
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	10	0.16	0.04	0.14
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	10	0.15	0.04	0.15
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	10	0.15	0.04	0.15
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	10	0.15	0.04	0.16
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	10	0.15	0.04	0.16
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	10	0.15	0.04	0.16
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	10	0.15	0.03	0.15
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	10	0.15	0.03	0.15
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	10	0.15	0.03	0.15
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	10	0.15	0.03	0.15
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	10	0.15	0.03	0.15
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	10	0.15	0.03	0.15
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	10	0.15	0.05	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	10	0.15	0.05	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	10	0.15	0.05	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	10	0.15	0.05	0.13
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	10	0.15	0.05	0.13
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	10	0.15	0.05	0.13
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	10	0.15	0.05	0.13
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	10	0.15	0.05	0.13
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	10	0.15	0.05	0.13
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	10	0.15	0.05	0.13
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	10	0.14	0.03	0.14
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	10	0.14	0.03	0.14
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	10	0.14	0.03	0.14
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	10	0.14	0.03	0.14
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	10	0.14	0.03	0.14
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	10	0.14	0.03	0.14
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	10	0.14	0.03	0.13
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	10	0.14	0.03	0.13
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	10	0.14	0.03	0.13
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	10	0.14	0.03	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	10	0.14	0.02	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	10	0.14	0.02	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	10	0.14	0.02	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	10	0.14	0.02	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	10	0.14	0.02	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	10	0.14	0.02	0.13
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	10	0.13	0.02	0.14
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	10	0.13	0.03	0.12
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	10	0.13	0.03	0.12
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	10	0.13	0.02	0.12
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	10	0.13	0.02	0.12
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	10	0.12	0.01	0.12
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	10	0.11	0.02	0.11
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	10	0.11	0.02	0.11
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	10	0.11	0.02	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	10	0.11	0.01	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	10	0.11	0.01	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	10	0.11	0.01	0.11
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	10	0.11	0.01	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	10	0.11	0.01	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	10	0.11	0.01	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	10	0.11	0.01	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	10	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2484)	1:111:A:LEU:HD22	1:102:A:HIS:HD1	9	0.39	0.19	0.31
(4,2484)	1:111:A:LEU:HD23	1:102:A:HIS:HD2	9	0.39	0.19	0.31
(4,2484)	1:111:A:LEU:HD21	1:102:A:HIS:HD2	9	0.39	0.19	0.31
(4,2484)	1:111:A:LEU:HD23	1:102:A:HIS:HD1	9	0.39	0.19	0.31
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	9	0.28	0.08	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	9	0.28	0.08	0.3
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	9	0.24	0.1	0.2
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	9	0.24	0.1	0.2
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	9	0.22	0.1	0.2
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	9	0.22	0.1	0.2
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	9	0.22	0.05	0.2
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	9	0.22	0.05	0.2
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	9	0.2	0.05	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	9	0.2	0.05	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	9	0.2	0.05	0.21
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	9	0.2	0.05	0.21
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	9	0.2	0.05	0.21
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	9	0.18	0.04	0.16
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	9	0.17	0.02	0.18
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	9	0.17	0.02	0.18
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	9	0.17	0.05	0.18
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	9	0.17	0.05	0.18
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	9	0.16	0.04	0.14
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	9	0.16	0.04	0.14
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	9	0.16	0.04	0.14
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	9	0.16	0.04	0.15
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	9	0.16	0.04	0.15
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	9	0.16	0.06	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	9	0.16	0.06	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	9	0.16	0.06	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	9	0.16	0.06	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	9	0.16	0.06	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	9	0.16	0.06	0.13
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	9	0.15	0.04	0.15
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	9	0.15	0.04	0.15
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	9	0.15	0.02	0.14
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	9	0.15	0.02	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	9	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	9	0.14	0.03	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	9	0.14	0.03	0.14
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	9	0.14	0.02	0.15
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	9	0.14	0.02	0.15
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	9	0.14	0.02	0.15
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	9	0.14	0.02	0.15
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	9	0.14	0.03	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	9	0.14	0.03	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	9	0.14	0.03	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	9	0.14	0.03	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	9	0.14	0.03	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	9	0.14	0.03	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	9	0.14	0.03	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	9	0.14	0.03	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	9	0.14	0.03	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	9	0.14	0.03	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	9	0.14	0.03	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	9	0.14	0.03	0.14
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	9	0.14	0.03	0.14
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	9	0.14	0.03	0.14
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	9	0.14	0.02	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	9	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	9	0.14	0.03	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	9	0.14	0.03	0.13
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	9	0.13	0.01	0.12
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	9	0.13	0.01	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	9	0.13	0.01	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	9	0.13	0.01	0.12
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	9	0.12	0.02	0.12
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	9	0.12	0.02	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	9	0.12	0.01	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	9	0.12	0.01	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	9	0.12	0.01	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	9	0.12	0.01	0.11
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	8	0.35	0.04	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	8	0.35	0.04	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	8	0.31	0.05	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	8	0.31	0.05	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	8	0.31	0.05	0.32
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	8	0.24	0.06	0.26
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	8	0.24	0.06	0.26
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	8	0.24	0.05	0.25
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	8	0.24	0.05	0.25
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	8	0.22	0.07	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	8	0.22	0.07	0.27
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	8	0.21	0.06	0.2
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	8	0.21	0.06	0.2
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	8	0.2	0.05	0.2
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	8	0.2	0.05	0.2
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	8	0.2	0.09	0.18
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	8	0.2	0.09	0.18
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	8	0.2	0.01	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	8	0.2	0.01	0.2
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	8	0.18	0.04	0.17
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	8	0.18	0.04	0.17
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	8	0.17	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	8	0.17	0.02	0.18
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	8	0.17	0.02	0.18
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	8	0.17	0.02	0.18
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	8	0.17	0.02	0.18
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	8	0.17	0.02	0.18
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	8	0.17	0.02	0.18
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	8	0.17	0.02	0.18
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	8	0.17	0.02	0.18
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	8	0.17	0.02	0.18
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	8	0.17	0.02	0.18
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	8	0.17	0.02	0.18
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	8	0.17	0.06	0.15
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	8	0.17	0.06	0.15
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	8	0.17	0.06	0.15
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	8	0.17	0.06	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	8	0.17	0.06	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	8	0.17	0.06	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	8	0.17	0.06	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	8	0.17	0.06	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	8	0.17	0.06	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	8	0.17	0.06	0.15
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	8	0.16	0.04	0.18
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	8	0.16	0.04	0.18
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	8	0.16	0.1	0.12
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	8	0.16	0.1	0.12
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	8	0.16	0.03	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	8	0.16	0.03	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	8	0.16	0.03	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	8	0.16	0.03	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	8	0.16	0.03	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	8	0.16	0.03	0.16
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	8	0.16	0.04	0.16
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	8	0.16	0.04	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	8	0.16	0.01	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	8	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	8	0.16	0.01	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	8	0.16	0.01	0.16
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	8	0.16	0.02	0.16
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	8	0.16	0.02	0.16
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	8	0.15	0.04	0.14
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	8	0.15	0.04	0.14
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	8	0.15	0.04	0.14
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	8	0.15	0.04	0.14
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	8	0.15	0.03	0.15
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	8	0.15	0.03	0.15
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	8	0.15	0.03	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	8	0.15	0.01	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	8	0.15	0.01	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	8	0.15	0.01	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	8	0.15	0.01	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	8	0.15	0.01	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	8	0.15	0.01	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	8	0.15	0.01	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	8	0.15	0.01	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	8	0.15	0.01	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	8	0.15	0.01	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	8	0.15	0.01	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	8	0.15	0.01	0.15
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	8	0.14	0.02	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	8	0.14	0.02	0.14
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	8	0.14	0.02	0.14
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	8	0.14	0.02	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	8	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	8	0.13	0.02	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	8	0.13	0.02	0.14
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	8	0.13	0.03	0.11
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	8	0.13	0.03	0.11
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	8	0.12	0.02	0.12
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	8	0.12	0.02	0.12
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	8	0.12	0.02	0.12
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	8	0.12	0.02	0.12
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	8	0.12	0.02	0.12
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	8	0.12	0.02	0.12
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	8	0.12	0.02	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	8	0.12	0.02	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	8	0.12	0.02	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	8	0.12	0.02	0.11
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	8	0.12	0.01	0.12
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	8	0.12	0.01	0.12
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	8	0.12	0.01	0.12
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	8	0.12	0.01	0.12
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	8	0.12	0.01	0.12
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	8	0.12	0.01	0.12
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	8	0.12	0.01	0.12
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	8	0.12	0.01	0.12
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	8	0.12	0.01	0.12
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	8	0.12	0.01	0.12
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	8	0.12	0.01	0.12
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	8	0.12	0.01	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	8	0.12	0.02	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	8	0.12	0.02	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	8	0.12	0.02	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	8	0.12	0.02	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	8	0.12	0.02	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	8	0.12	0.02	0.12
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	8	0.12	0.01	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	8	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	8	0.12	0.01	0.11
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	8	0.11	0.02	0.11
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	8	0.11	0.02	0.11
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	8	0.11	0.02	0.11
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	7	0.28	0.06	0.3
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	7	0.24	0.09	0.21
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	7	0.24	0.09	0.21
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	7	0.24	0.09	0.21
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	7	0.24	0.09	0.21
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	7	0.22	0.05	0.21
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	7	0.22	0.05	0.21
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	7	0.22	0.05	0.21
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	7	0.22	0.05	0.21
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	7	0.22	0.05	0.24
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	7	0.22	0.05	0.24
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	7	0.2	0.05	0.2
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	7	0.2	0.05	0.2
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	7	0.2	0.05	0.2
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	7	0.2	0.02	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	7	0.2	0.02	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	7	0.2	0.02	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	7	0.2	0.02	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	7	0.2	0.02	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	7	0.2	0.02	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	7	0.2	0.02	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	7	0.2	0.02	0.19
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	7	0.19	0.04	0.2
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	7	0.19	0.04	0.2
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	7	0.19	0.0	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	7	0.19	0.0	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	7	0.19	0.0	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	7	0.19	0.0	0.19
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	7	0.19	0.04	0.21
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	7	0.19	0.04	0.21
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	7	0.18	0.05	0.17
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	7	0.18	0.05	0.17
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	7	0.18	0.05	0.17
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	7	0.18	0.05	0.17
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	7	0.18	0.05	0.2
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	7	0.18	0.05	0.2
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	7	0.18	0.05	0.2
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	7	0.18	0.05	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	7	0.18	0.04	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	7	0.18	0.04	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	7	0.18	0.04	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	7	0.18	0.04	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	7	0.18	0.04	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	7	0.18	0.04	0.2
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	7	0.16	0.03	0.15
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	7	0.16	0.03	0.15
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	7	0.16	0.03	0.15
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	7	0.16	0.03	0.15
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	7	0.16	0.03	0.15
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	7	0.16	0.03	0.15
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	7	0.16	0.03	0.17
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	7	0.16	0.03	0.17
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	7	0.16	0.04	0.14
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	7	0.16	0.04	0.14
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	7	0.16	0.01	0.15
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	7	0.16	0.01	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	7	0.15	0.04	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	7	0.15	0.04	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	7	0.15	0.04	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	7	0.15	0.04	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	7	0.15	0.04	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	7	0.15	0.04	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	7	0.15	0.04	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	7	0.15	0.04	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	7	0.15	0.04	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	7	0.15	0.04	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	7	0.15	0.04	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	7	0.15	0.04	0.15
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	7	0.14	0.04	0.15
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	7	0.14	0.04	0.15
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	7	0.14	0.04	0.15
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	7	0.14	0.04	0.15
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	7	0.14	0.04	0.15
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	7	0.14	0.04	0.15
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	7	0.14	0.04	0.15
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	7	0.14	0.04	0.15
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	7	0.14	0.04	0.15
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	7	0.14	0.04	0.15
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	7	0.14	0.04	0.15
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	7	0.14	0.04	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	7	0.14	0.01	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	7	0.14	0.01	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	7	0.14	0.01	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	7	0.14	0.01	0.15
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	7	0.14	0.03	0.16
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	7	0.14	0.02	0.15
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	7	0.14	0.02	0.15
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	7	0.14	0.02	0.15
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	7	0.13	0.02	0.13
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	7	0.13	0.02	0.13
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	7	0.13	0.02	0.13
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	7	0.13	0.02	0.13
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	7	0.13	0.02	0.13
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	7	0.13	0.02	0.13
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	7	0.13	0.04	0.12
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	7	0.13	0.04	0.12
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	7	0.13	0.02	0.13
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	7	0.13	0.02	0.13
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	7	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	7	0.13	0.02	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	7	0.13	0.02	0.12
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	7	0.13	0.03	0.12
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	7	0.12	0.01	0.12
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	7	0.12	0.01	0.12
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	7	0.12	0.01	0.12
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	7	0.12	0.01	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	7	0.12	0.01	0.12
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	7	0.12	0.01	0.12
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	7	0.12	0.01	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	7	0.12	0.01	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	7	0.12	0.01	0.12
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	7	0.12	0.02	0.11
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	7	0.12	0.02	0.11
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	7	0.12	0.02	0.11
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	7	0.12	0.02	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	7	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	7	0.12	0.01	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	7	0.12	0.01	0.11
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	7	0.11	0.01	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	7	0.11	0.0	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	7	0.11	0.0	0.11
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	7	0.1	0.0	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	7	0.1	0.0	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	7	0.1	0.0	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	7	0.1	0.0	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	7	0.1	0.0	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	7	0.1	0.0	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	7	0.1	0.0	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	7	0.1	0.0	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	7	0.1	0.0	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	7	0.1	0.0	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	7	0.1	0.0	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	7	0.1	0.0	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	7	0.1	0.0	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	7	0.1	0.0	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	7	0.1	0.0	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	7	0.1	0.0	0.1
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD2	6	0.39	0.18	0.38
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD1	6	0.39	0.18	0.38
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	6	0.35	0.05	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	6	0.35	0.05	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	6	0.35	0.05	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	6	0.35	0.05	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	6	0.35	0.05	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	6	0.35	0.05	0.35
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	6	0.34	0.09	0.38
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	6	0.34	0.09	0.38
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	6	0.27	0.04	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	6	0.27	0.04	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	6	0.27	0.04	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	6	0.27	0.04	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	6	0.27	0.04	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	6	0.27	0.04	0.29
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	6	0.26	0.09	0.26
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	6	0.26	0.09	0.26
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	6	0.26	0.09	0.26
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	6	0.26	0.09	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	6	0.26	0.09	0.26
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	6	0.26	0.09	0.26
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	6	0.21	0.11	0.18
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	6	0.21	0.11	0.18
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	6	0.21	0.11	0.18
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	6	0.21	0.11	0.18
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	6	0.2	0.02	0.2
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	6	0.2	0.02	0.2
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	6	0.2	0.02	0.2
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	6	0.2	0.02	0.2
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	6	0.2	0.02	0.2
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	6	0.2	0.02	0.2
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	6	0.2	0.05	0.21
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	6	0.2	0.05	0.21
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	6	0.2	0.05	0.21
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	6	0.2	0.05	0.21
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	6	0.19	0.02	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	6	0.19	0.02	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	6	0.19	0.02	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	6	0.19	0.02	0.2
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	6	0.18	0.06	0.2
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	6	0.18	0.02	0.19
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	6	0.18	0.02	0.19
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	6	0.18	0.06	0.15
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	6	0.18	0.06	0.15
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	6	0.17	0.06	0.15
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	6	0.17	0.06	0.15
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	6	0.17	0.06	0.15
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	6	0.16	0.03	0.15
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	6	0.16	0.03	0.15
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	6	0.16	0.03	0.15
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	6	0.16	0.03	0.15
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	6	0.16	0.05	0.14
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	6	0.16	0.03	0.16
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	6	0.16	0.03	0.16
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	6	0.16	0.03	0.16
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	6	0.15	0.04	0.13
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	6	0.15	0.04	0.13
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	6	0.14	0.04	0.14
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	6	0.14	0.04	0.14
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	6	0.14	0.02	0.13
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	6	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	6	0.13	0.02	0.12
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	6	0.13	0.02	0.12
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	6	0.13	0.02	0.13
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	6	0.13	0.02	0.13
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	6	0.13	0.02	0.13
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	6	0.13	0.02	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	6	0.13	0.02	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	6	0.13	0.02	0.12
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	6	0.13	0.02	0.12
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	6	0.13	0.02	0.12
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	6	0.13	0.01	0.13
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	6	0.13	0.01	0.13
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	6	0.13	0.02	0.12
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	6	0.13	0.02	0.12
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	6	0.12	0.02	0.12
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	6	0.12	0.02	0.12
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	6	0.12	0.02	0.12
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	6	0.12	0.02	0.12
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	6	0.12	0.02	0.12
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	6	0.12	0.02	0.12
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	6	0.12	0.02	0.11
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	6	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	6	0.12	0.01	0.11
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	6	0.12	0.01	0.12
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	6	0.12	0.01	0.12
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	6	0.12	0.01	0.12
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	6	0.11	0.01	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	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)
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	6	0.11	0.01	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	6	0.11	0.01	0.11
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	6	0.11	0.01	0.11
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	5	0.35	0.04	0.33
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	5	0.35	0.04	0.33
(6,911)	1:55:A:LEU:HB2	1:55:A:LEU:H	5	0.34	0.04	0.34
(6,911)	1:55:A:LEU:HB3	1:55:A:LEU:H	5	0.34	0.04	0.34
(4,775)	1:89:A:VAL:HA	1:89:A:VAL:HB	5	0.32	0.08	0.35
(4,776)	1:89:A:VAL:HA	1:89:A:VAL:HB	5	0.32	0.08	0.35
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	5	0.29	0.02	0.28
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	5	0.29	0.02	0.28
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	5	0.29	0.02	0.28
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	5	0.29	0.02	0.28
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	5	0.29	0.02	0.28
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	5	0.29	0.02	0.28
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB2	5	0.29	0.0	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB3	5	0.29	0.0	0.29
(4,886)	1:106:A:ASN:HB2	1:106:A:ASN:HA	5	0.29	0.0	0.29
(4,886)	1:106:A:ASN:HB3	1:106:A:ASN:HA	5	0.29	0.0	0.29
(6,109)	1:11:A:MET:HG2	1:12:A:VAL:H	5	0.27	0.05	0.29
(6,109)	1:11:A:MET:HG3	1:12:A:VAL:H	5	0.27	0.05	0.29
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB2	5	0.27	0.0	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB3	5	0.27	0.0	0.27
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	5	0.25	0.04	0.23
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	5	0.25	0.04	0.23
(4,2639)	1:125:A:LEU:HA	1:125:A:LEU:HG	5	0.25	0.07	0.27
(4,1954)	1:64:A:ARG:HG2	1:63:A:TYR:HA	5	0.25	0.07	0.22
(4,1954)	1:64:A:ARG:HG3	1:63:A:TYR:HA	5	0.25	0.07	0.22
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD21	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD22	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD23	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD21	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD22	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD23	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD21	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD22	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD23	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD21	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD22	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD23	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD21	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD22	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD23	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD21	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD22	5	0.24	0.01	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD23	5	0.24	0.01	0.23
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB2	5	0.21	0.11	0.16
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB3	5	0.21	0.11	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB2	5	0.21	0.11	0.16
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB3	5	0.21	0.11	0.16
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB2	5	0.21	0.11	0.16
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB3	5	0.21	0.11	0.16
(6,94)	1:11:A:MET:HG2	1:11:A:MET:H	5	0.21	0.01	0.21
(6,94)	1:11:A:MET:HG3	1:11:A:MET:H	5	0.21	0.01	0.21
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB2	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB3	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB2	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB3	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB2	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB3	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB2	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB3	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB2	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB3	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB2	5	0.2	0.12	0.13
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB3	5	0.2	0.12	0.13
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB2	5	0.2	0.06	0.23
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB3	5	0.2	0.06	0.23
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB2	5	0.2	0.06	0.23
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB3	5	0.2	0.06	0.23
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB2	5	0.2	0.06	0.23
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB3	5	0.2	0.06	0.23
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB2	5	0.2	0.06	0.16
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB3	5	0.2	0.06	0.16
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	5	0.19	0.02	0.18
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	5	0.19	0.02	0.18
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	5	0.19	0.02	0.18
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	5	0.19	0.02	0.18
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	5	0.19	0.02	0.18
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	5	0.19	0.02	0.18
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD11	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD12	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD13	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD11	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD12	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD13	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD11	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD12	5	0.19	0.04	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD13	5	0.19	0.04	0.19
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG2	5	0.19	0.03	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG3	5	0.19	0.03	0.18
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG2	5	0.18	0.05	0.18
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG3	5	0.18	0.05	0.18
(4,1542)	1:125:A:LEU:HG	1:28:A:VAL:HA	5	0.18	0.06	0.2
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD11	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD12	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD13	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD21	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD22	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD23	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD11	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD12	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD13	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD21	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD22	5	0.18	0.04	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD23	5	0.18	0.04	0.16
(8,76)	1:42:A:TYR:HD1	1:75:A:TRP:HH2	5	0.17	0.06	0.17
(8,76)	1:42:A:TYR:HD2	1:75:A:TRP:HH2	5	0.17	0.06	0.17
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG21	5	0.17	0.03	0.17
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG22	5	0.17	0.03	0.17
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG23	5	0.17	0.03	0.17
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG21	5	0.17	0.03	0.17
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG22	5	0.17	0.03	0.17
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG23	5	0.17	0.03	0.17
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB2	5	0.17	0.05	0.2
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB3	5	0.17	0.05	0.2
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB2	5	0.17	0.05	0.2
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB3	5	0.17	0.05	0.2
(6,1239)	1:3:A:VAL:HB	1:3:A:VAL:H	5	0.17	0.08	0.12
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB2	5	0.16	0.01	0.16
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB3	5	0.16	0.01	0.16
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG21	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG22	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG23	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG21	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG22	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG23	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG21	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG22	5	0.16	0.05	0.16
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG23	5	0.16	0.05	0.16
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD11	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD12	5	0.16	0.05	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD13	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD21	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD22	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD23	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD11	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD12	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD13	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD21	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD22	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD23	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD11	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD12	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD13	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD21	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD22	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD23	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD11	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD12	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD13	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD21	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD22	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD23	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD11	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD12	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD13	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD21	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD22	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD23	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD11	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD12	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD13	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD21	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD22	5	0.16	0.05	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD23	5	0.16	0.05	0.13
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB2	5	0.15	0.07	0.12
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB3	5	0.15	0.07	0.12
(4,1149)	1:143:A:SER:HB2	1:143:A:SER:HA	5	0.15	0.07	0.12
(4,1149)	1:143:A:SER:HB3	1:143:A:SER:HA	5	0.15	0.07	0.12
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG2	5	0.15	0.03	0.15
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG3	5	0.15	0.03	0.15
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG2	5	0.15	0.03	0.15
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG3	5	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG2	5	0.15	0.03	0.15
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG3	5	0.15	0.03	0.15
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD2	5	0.14	0.02	0.14
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD3	5	0.14	0.02	0.14
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD2	5	0.14	0.02	0.14
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD3	5	0.14	0.02	0.14
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	5	0.14	0.05	0.12
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	5	0.14	0.05	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD21	5	0.14	0.03	0.13
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD22	5	0.14	0.03	0.13
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD23	5	0.14	0.03	0.13
(6,685)	1:95:A:MET:HB2	1:96:A:THR:H	5	0.14	0.04	0.13
(6,685)	1:95:A:MET:HB3	1:96:A:THR:H	5	0.14	0.04	0.13
(6,262)	1:104:A:ASP:HB2	1:105:A:ALA:H	5	0.14	0.03	0.13
(6,262)	1:104:A:ASP:HB3	1:105:A:ALA:H	5	0.14	0.03	0.13
(4,3118)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	5	0.14	0.02	0.15
(4,3118)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	5	0.14	0.02	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	5	0.14	0.02	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	5	0.14	0.02	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	5	0.14	0.02	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	5	0.14	0.02	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	5	0.14	0.02	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	5	0.14	0.02	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	5	0.14	0.02	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	5	0.14	0.02	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	5	0.14	0.02	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	5	0.14	0.02	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	5	0.14	0.02	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	5	0.14	0.02	0.15
(4,2277)	1:88:A:PHE:HD1	1:86:A:ILE:HB	5	0.14	0.02	0.13
(4,2277)	1:88:A:PHE:HD2	1:86:A:ILE:HB	5	0.14	0.02	0.13
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG11	5	0.14	0.03	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG12	5	0.14	0.03	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG13	5	0.14	0.03	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG21	5	0.14	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG22	5	0.14	0.03	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG23	5	0.14	0.03	0.15
(6,1137)	1:23:A:ARG:HB2	1:25:A:THR:H	5	0.13	0.02	0.14
(6,1137)	1:23:A:ARG:HB3	1:25:A:THR:H	5	0.13	0.02	0.14
(4,2150)	1:85:A:PRO:HB2	1:76:A:LEU:HA	5	0.13	0.02	0.13
(4,2150)	1:85:A:PRO:HB3	1:76:A:LEU:HA	5	0.13	0.02	0.13
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG2	5	0.13	0.02	0.12
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG3	5	0.13	0.02	0.12
(4,328)	1:24:A:GLU:HG2	1:24:A:GLU:HA	5	0.13	0.02	0.12
(4,328)	1:24:A:GLU:HG3	1:24:A:GLU:HA	5	0.13	0.02	0.12
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB2	5	0.13	0.02	0.12
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB3	5	0.13	0.02	0.12
(6,526)	1:114:A:LEU:HD11	1:115:A:HIS:H	5	0.12	0.01	0.12
(6,526)	1:114:A:LEU:HD12	1:115:A:HIS:H	5	0.12	0.01	0.12
(6,526)	1:114:A:LEU:HD13	1:115:A:HIS:H	5	0.12	0.01	0.12
(6,526)	1:114:A:LEU:HD21	1:115:A:HIS:H	5	0.12	0.01	0.12
(6,526)	1:114:A:LEU:HD22	1:115:A:HIS:H	5	0.12	0.01	0.12
(6,526)	1:114:A:LEU:HD23	1:115:A:HIS:H	5	0.12	0.01	0.12
(4,1437)	1:12:A:VAL:HG11	1:21:A:THR:HB	5	0.12	0.03	0.11
(4,1437)	1:12:A:VAL:HG12	1:21:A:THR:HB	5	0.12	0.03	0.11
(4,1437)	1:12:A:VAL:HG13	1:21:A:THR:HB	5	0.12	0.03	0.11
(4,2287)	1:74:A:LEU:HG	1:87:A:CYS:HA	5	0.12	0.02	0.11
(4,261)	1:17:A:TYR:HB2	1:17:A:TYR:HA	5	0.12	0.04	0.1
(4,261)	1:17:A:TYR:HB3	1:17:A:TYR:HA	5	0.12	0.04	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB2	5	0.12	0.04	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB3	5	0.12	0.04	0.1
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG21	5	0.12	0.01	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG22	5	0.12	0.01	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG23	5	0.12	0.01	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG21	5	0.12	0.01	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG22	5	0.12	0.01	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG23	5	0.12	0.01	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB2	5	0.12	0.01	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB3	5	0.12	0.01	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB2	5	0.12	0.01	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB3	5	0.12	0.01	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB2	5	0.12	0.01	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB3	5	0.12	0.01	0.12
(4,3047)	1:37:A:PRO:HD3	1:36:A:LYS:HA	5	0.12	0.02	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	5	0.12	0.01	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	5	0.12	0.01	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	5	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	5	0.12	0.01	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	5	0.12	0.01	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	5	0.12	0.01	0.12
(4,1906)	1:69:A:ASN:HA	1:60:A:PRO:HA	5	0.11	0.01	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG11	5	0.11	0.01	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG12	5	0.11	0.01	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG13	5	0.11	0.01	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG21	5	0.11	0.01	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG22	5	0.11	0.01	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG23	5	0.11	0.01	0.11
(4,2487)	1:112:A:PRO:HB2	1:112:A:PRO:HA	5	0.11	0.0	0.11
(4,2487)	1:112:A:PRO:HB3	1:112:A:PRO:HA	5	0.11	0.0	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB2	5	0.11	0.0	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB3	5	0.11	0.0	0.11
(4,1525)	1:27:A:ASN:HA	1:30:A:THR:HB	4	0.46	0.01	0.46
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG2	4	0.3	0.07	0.29
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG3	4	0.3	0.07	0.29
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD2	4	0.26	0.06	0.26
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD3	4	0.26	0.06	0.26
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD2	4	0.26	0.06	0.26
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD3	4	0.26	0.06	0.26
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	4	0.22	0.01	0.22
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	4	0.22	0.01	0.22
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	4	0.22	0.01	0.22
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	4	0.22	0.01	0.22
(6,1078)	1:30:A:THR:HB	1:30:A:THR:H	4	0.21	0.0	0.21
(4,67)	1:116:A:GLU:HG2	1:116:A:GLU:HA	4	0.2	0.01	0.2
(4,67)	1:116:A:GLU:HG3	1:116:A:GLU:HA	4	0.2	0.01	0.2
(4,2522)	1:116:A:GLU:HG2	1:113:A:TYR:HA	4	0.2	0.06	0.2
(4,2522)	1:116:A:GLU:HG3	1:113:A:TYR:HA	4	0.2	0.06	0.2
(4,786)	1:92:A:THR:HG21	1:92:A:THR:HA	4	0.19	0.0	0.19
(4,786)	1:92:A:THR:HG22	1:92:A:THR:HA	4	0.19	0.0	0.19
(4,786)	1:92:A:THR:HG23	1:92:A:THR:HA	4	0.19	0.0	0.19
(6,1240)	1:90:A:LYS:HG2	1:90:A:LYS:H	4	0.19	0.04	0.2
(6,1240)	1:90:A:LYS:HG3	1:90:A:LYS:H	4	0.19	0.04	0.2
(6,1245)	1:10:A:LYS:HD2	1:10:A:LYS:H	4	0.18	0.05	0.19
(6,1245)	1:10:A:LYS:HD3	1:10:A:LYS:H	4	0.18	0.05	0.19
(4,2319)	1:97:A:ILE:HD11	1:91:A:PRO:HA	4	0.18	0.05	0.2
(4,2319)	1:97:A:ILE:HD12	1:91:A:PRO:HA	4	0.18	0.05	0.2
(4,2319)	1:97:A:ILE:HD13	1:91:A:PRO:HA	4	0.18	0.05	0.2
(4,1759)	1:52:A:LEU:HD21	1:78:A:ASP:HA	4	0.18	0.06	0.15
(4,1759)	1:52:A:LEU:HD22	1:78:A:ASP:HA	4	0.18	0.06	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1759)	1:52:A:LEU:HD23	1:78:A:ASP:HA	4	0.18	0.06	0.15
(6,1228)	1:97:A:ILE:HB	1:99:A:THR:H	4	0.18	0.02	0.18
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG2	4	0.17	0.06	0.18
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG3	4	0.17	0.06	0.18
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG2	4	0.17	0.03	0.18
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG3	4	0.17	0.03	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD11	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD12	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD13	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD21	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD22	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD23	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD11	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD12	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD13	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD21	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD22	4	0.17	0.06	0.16
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD23	4	0.17	0.06	0.16
(4,219)	1:53:A:MET:HE1	1:12:A:VAL:HB	4	0.17	0.06	0.15
(4,219)	1:53:A:MET:HE2	1:12:A:VAL:HB	4	0.17	0.06	0.15
(4,219)	1:53:A:MET:HE3	1:12:A:VAL:HB	4	0.17	0.06	0.15
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	4	0.16	0.06	0.15
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	4	0.16	0.06	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	4	0.16	0.06	0.15
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	4	0.16	0.06	0.15
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE1	4	0.16	0.04	0.16
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE2	4	0.16	0.04	0.16
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE3	4	0.16	0.04	0.16
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE1	4	0.16	0.04	0.16
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE2	4	0.16	0.04	0.16
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE3	4	0.16	0.04	0.16
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG2	4	0.16	0.02	0.16
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG3	4	0.16	0.02	0.16
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB2	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB3	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB2	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB3	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB2	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB3	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB2	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB3	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB2	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB3	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB2	4	0.16	0.04	0.15
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB3	4	0.16	0.04	0.15
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD11	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD12	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD13	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD21	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD22	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD23	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD11	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD12	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD13	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD21	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD22	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD23	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD11	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD12	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD13	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD21	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD22	4	0.16	0.03	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD23	4	0.16	0.03	0.17
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD11	4	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD12	4	0.16	0.02	0.16
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD13	4	0.16	0.02	0.16
(6,193)	1:19:A:ASP:HB2	1:19:A:ASP:H	4	0.15	0.02	0.16
(6,193)	1:19:A:ASP:HB3	1:19:A:ASP:H	4	0.15	0.02	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE1	4	0.15	0.01	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE2	4	0.15	0.01	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE3	4	0.15	0.01	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE1	4	0.15	0.01	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE2	4	0.15	0.01	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE3	4	0.15	0.01	0.16
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG2	4	0.15	0.04	0.15
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG3	4	0.15	0.04	0.15
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD1	4	0.15	0.03	0.15
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD2	4	0.15	0.03	0.15
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD1	4	0.15	0.03	0.15
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD2	4	0.15	0.03	0.15
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG21	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG22	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG23	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG21	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG22	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG23	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG21	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG22	4	0.14	0.02	0.15
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG23	4	0.14	0.02	0.15
(4,2788)	1:132:A:ILE:HA	1:61:A:VAL:HB	4	0.14	0.03	0.14
(6,542)	1:114:A:LEU:H	1:115:A:HIS:HD2	4	0.14	0.01	0.15
(6,585)	1:108:A:LYS:HG2	1:109:A:ILE:H	4	0.14	0.05	0.12
(6,585)	1:108:A:LYS:HG3	1:109:A:ILE:H	4	0.14	0.05	0.12
(6,1237)	1:22:A:VAL:HG11	1:13:A:SER:H	4	0.14	0.02	0.14
(6,1237)	1:22:A:VAL:HG12	1:13:A:SER:H	4	0.14	0.02	0.14
(6,1237)	1:22:A:VAL:HG13	1:13:A:SER:H	4	0.14	0.02	0.14
(6,1237)	1:22:A:VAL:HG21	1:13:A:SER:H	4	0.14	0.02	0.14
(6,1237)	1:22:A:VAL:HG22	1:13:A:SER:H	4	0.14	0.02	0.14
(6,1237)	1:22:A:VAL:HG23	1:13:A:SER:H	4	0.14	0.02	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD2	4	0.14	0.01	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	4	0.14	0.01	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD2	4	0.14	0.01	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	4	0.14	0.01	0.14
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB2	4	0.14	0.03	0.12
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB3	4	0.14	0.03	0.12
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB2	4	0.14	0.03	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB3	4	0.14	0.03	0.12
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB2	4	0.14	0.03	0.12
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB3	4	0.14	0.03	0.12
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD2	4	0.13	0.02	0.13
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD3	4	0.13	0.02	0.13
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD2	4	0.13	0.02	0.13
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD3	4	0.13	0.02	0.13
(4,2314)	1:89:A:VAL:H	1:89:A:VAL:HB	4	0.13	0.03	0.12
(6,1076)	1:33:A:LYS:H	1:31:A:LEU:H	4	0.13	0.02	0.12
(6,41)	1:5:A:GLU:HG2	1:6:A:SER:H	4	0.13	0.02	0.12
(6,41)	1:5:A:GLU:HG3	1:6:A:SER:H	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD11	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD12	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD13	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD11	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD12	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD13	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD11	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD12	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD13	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD11	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD12	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD13	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD11	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD12	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD13	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD11	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD12	4	0.13	0.02	0.12
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD13	4	0.13	0.02	0.12
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB2	4	0.12	0.01	0.12
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB3	4	0.12	0.01	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD11	4	0.12	0.01	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD12	4	0.12	0.01	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD13	4	0.12	0.01	0.12
(4,2437)	1:107:A:GLY:HA2	1:89:A:VAL:HB	4	0.12	0.02	0.11
(4,2437)	1:107:A:GLY:HA3	1:89:A:VAL:HB	4	0.12	0.02	0.11
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE1	4	0.12	0.01	0.12
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE2	4	0.12	0.01	0.12
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE3	4	0.12	0.01	0.12
(4,821)	1:97:A:ILE:HA	1:97:A:ILE:HB	4	0.12	0.01	0.12
(4,842)	1:97:A:ILE:HB	1:97:A:ILE:HA	4	0.12	0.01	0.12
(6,1135)	1:24:A:GLU:HB2	1:25:A:THR:H	4	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1135)	1:24:A:GLU:HB3	1:25:A:THR:H	4	0.12	0.01	0.11
(6,1071)	1:29:A:ILE:HA	1:31:A:LEU:H	4	0.12	0.0	0.12
(6,93)	1:11:A:MET:HG2	1:11:A:MET:H	4	0.11	0.01	0.12
(6,93)	1:11:A:MET:HG3	1:11:A:MET:H	4	0.11	0.01	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	4	0.11	0.01	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	4	0.11	0.01	0.11
(4,201)	1:11:A:MET:HB2	1:11:A:MET:HA	4	0.11	0.0	0.11
(4,201)	1:11:A:MET:HB3	1:11:A:MET:HA	4	0.11	0.0	0.11
(4,205)	1:11:A:MET:HB2	1:11:A:MET:HA	4	0.11	0.0	0.11
(4,205)	1:11:A:MET:HB3	1:11:A:MET:HA	4	0.11	0.0	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD2	4	0.11	0.0	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD3	4	0.11	0.0	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD2	4	0.11	0.0	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD3	4	0.11	0.0	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD2	4	0.11	0.0	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD3	4	0.11	0.0	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD11	4	0.11	0.0	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD12	4	0.11	0.0	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD13	4	0.11	0.0	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD11	4	0.11	0.0	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD12	4	0.11	0.0	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD13	4	0.11	0.0	0.11
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG2	3	0.32	0.03	0.3
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG3	3	0.32	0.03	0.3
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG2	3	0.31	0.09	0.33
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG3	3	0.31	0.09	0.33
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG21	3	0.3	0.03	0.32
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG22	3	0.3	0.03	0.32
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG23	3	0.3	0.03	0.32
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG21	3	0.3	0.03	0.32
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG22	3	0.3	0.03	0.32
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG23	3	0.3	0.03	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD11	3	0.26	0.05	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD12	3	0.26	0.05	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD13	3	0.26	0.05	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD21	3	0.26	0.05	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD22	3	0.26	0.05	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD23	3	0.26	0.05	0.25
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE21	3	0.26	0.08	0.3
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE22	3	0.26	0.08	0.3
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD11	3	0.25	0.02	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD12	3	0.25	0.02	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD13	3	0.25	0.02	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD21	3	0.25	0.02	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD22	3	0.25	0.02	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD23	3	0.25	0.02	0.25
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD11	3	0.24	0.02	0.23
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD12	3	0.24	0.02	0.23
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD13	3	0.24	0.02	0.23
(4,648)	1:76:A:LEU:HD11	1:76:A:LEU:HA	3	0.23	0.07	0.26
(4,648)	1:76:A:LEU:HD12	1:76:A:LEU:HA	3	0.23	0.07	0.26
(4,648)	1:76:A:LEU:HD13	1:76:A:LEU:HA	3	0.23	0.07	0.26
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD11	3	0.23	0.03	0.24
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD12	3	0.23	0.03	0.24
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD13	3	0.23	0.03	0.24
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD11	3	0.23	0.03	0.24
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD12	3	0.23	0.03	0.24
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD13	3	0.23	0.03	0.24
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG21	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG22	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG23	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG21	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG22	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG23	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG21	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG22	3	0.23	0.06	0.19
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG23	3	0.23	0.06	0.19
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG21	3	0.22	0.01	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG22	3	0.22	0.01	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG23	3	0.22	0.01	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG21	3	0.22	0.01	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG22	3	0.22	0.01	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG23	3	0.22	0.01	0.21
(6,516)	1:77:A:LEU:HG	1:78:A:ASP:H	3	0.21	0.05	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(8,34)	1:110:A:TYR:HD1	1:115:A:HIS:HE1	3	0.21	0.11	0.14
(8,34)	1:110:A:TYR:HD2	1:115:A:HIS:HE1	3	0.21	0.11	0.14
(6,125)	1:51:A:GLU:HG2	1:13:A:SER:H	3	0.21	0.06	0.18
(6,125)	1:51:A:GLU:HG3	1:13:A:SER:H	3	0.21	0.06	0.18
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE1	3	0.21	0.1	0.15
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE2	3	0.21	0.1	0.15
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE1	3	0.21	0.1	0.15
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE2	3	0.21	0.1	0.15
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE1	3	0.21	0.1	0.15
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE2	3	0.21	0.1	0.15
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD11	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD12	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD13	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD21	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD22	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD23	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD11	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD12	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD13	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD21	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD22	3	0.2	0.1	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD23	3	0.2	0.1	0.14
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD11	3	0.2	0.07	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD12	3	0.2	0.07	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD13	3	0.2	0.07	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD21	3	0.2	0.07	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD22	3	0.2	0.07	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD23	3	0.2	0.07	0.2
(4,329)	1:24:A:GLU:HB2	1:24:A:GLU:HA	3	0.19	0.0	0.19
(4,329)	1:24:A:GLU:HB3	1:24:A:GLU:HA	3	0.19	0.0	0.19
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB2	3	0.19	0.0	0.19
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB3	3	0.19	0.0	0.19
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG2	3	0.18	0.03	0.2
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG3	3	0.18	0.03	0.2
(6,567)	1:111:A:LEU:HD11	1:111:A:LEU:H	3	0.18	0.04	0.18
(6,567)	1:111:A:LEU:HD12	1:111:A:LEU:H	3	0.18	0.04	0.18
(6,567)	1:111:A:LEU:HD13	1:111:A:LEU:H	3	0.18	0.04	0.18
(6,567)	1:111:A:LEU:HD21	1:111:A:LEU:H	3	0.18	0.04	0.18
(6,567)	1:111:A:LEU:HD22	1:111:A:LEU:H	3	0.18	0.04	0.18
(6,567)	1:111:A:LEU:HD23	1:111:A:LEU:H	3	0.18	0.04	0.18
(4,2398)	1:105:A:ALA:HA	1:99:A:THR:HB	3	0.18	0.03	0.19
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG11	3	0.17	0.04	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG12	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG13	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG11	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG12	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG13	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG11	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG12	3	0.17	0.04	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG13	3	0.17	0.04	0.14
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD11	3	0.17	0.04	0.16
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD12	3	0.17	0.04	0.16
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD13	3	0.17	0.04	0.16
(6,804)	1:76:A:LEU:HD11	1:76:A:LEU:H	3	0.17	0.02	0.15
(6,804)	1:76:A:LEU:HD12	1:76:A:LEU:H	3	0.17	0.02	0.15
(6,804)	1:76:A:LEU:HD13	1:76:A:LEU:H	3	0.17	0.02	0.15
(6,804)	1:76:A:LEU:HD21	1:76:A:LEU:H	3	0.17	0.02	0.15
(6,804)	1:76:A:LEU:HD22	1:76:A:LEU:H	3	0.17	0.02	0.15
(6,804)	1:76:A:LEU:HD23	1:76:A:LEU:H	3	0.17	0.02	0.15
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB2	3	0.16	0.03	0.15
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB3	3	0.16	0.03	0.15
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB2	3	0.16	0.03	0.15
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB3	3	0.16	0.03	0.15
(6,381)	1:129:A:GLN:HG2	1:129:A:GLN:H	3	0.16	0.01	0.17
(6,381)	1:129:A:GLN:HG3	1:129:A:GLN:H	3	0.16	0.01	0.17
(8,75)	1:88:A:PHE:HD1	1:75:A:TRP:HD1	3	0.16	0.07	0.12
(8,75)	1:88:A:PHE:HD2	1:75:A:TRP:HD1	3	0.16	0.07	0.12
(4,610)	1:64:A:ARG:HD2	1:64:A:ARG:HA	3	0.16	0.05	0.14
(4,610)	1:64:A:ARG:HD3	1:64:A:ARG:HA	3	0.16	0.05	0.14
(4,2221)	1:16:A:LYS:HE2	1:79:A:THR:HB	3	0.16	0.03	0.16
(4,2221)	1:16:A:LYS:HE3	1:79:A:THR:HB	3	0.16	0.03	0.16
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE2	3	0.16	0.04	0.14
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE3	3	0.16	0.04	0.14
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE2	3	0.16	0.04	0.14
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE3	3	0.16	0.04	0.14
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE2	3	0.16	0.04	0.14
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE3	3	0.16	0.04	0.14
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB2	3	0.16	0.04	0.18
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB3	3	0.16	0.04	0.18
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB2	3	0.16	0.04	0.13
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB3	3	0.16	0.04	0.13
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE1	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE2	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE1	3	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE2	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE1	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE2	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE1	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE2	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE1	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE2	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE1	3	0.16	0.04	0.15
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE2	3	0.16	0.04	0.15
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG11	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG12	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG13	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG21	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG22	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG23	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG11	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG12	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG13	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG21	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG22	3	0.15	0.02	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG23	3	0.15	0.02	0.14
(3,2)	1:123:A:ASP:OD1	1:125:A:LEU:H	3	0.15	0.02	0.15
(3,2)	1:123:A:ASP:OD2	1:125:A:LEU:H	3	0.15	0.02	0.15
(4,1592)	1:27:A:ASN:HA	1:30:A:THR:HB	3	0.15	0.06	0.11
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD1	3	0.15	0.04	0.13
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD2	3	0.15	0.04	0.13
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD1	3	0.15	0.04	0.13
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD2	3	0.15	0.04	0.13
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB2	3	0.15	0.04	0.13
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB3	3	0.15	0.04	0.13
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB2	3	0.15	0.04	0.13
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB3	3	0.15	0.04	0.13
(1,69)	1:111:A:LEU:O	1:115:A:HIS:H	3	0.15	0.0	0.15
(4,2394)	1:97:A:ILE:HG21	1:99:A:THR:HB	3	0.15	0.0	0.15
(4,2394)	1:97:A:ILE:HG22	1:99:A:THR:HB	3	0.15	0.0	0.15
(4,2394)	1:97:A:ILE:HG23	1:99:A:THR:HB	3	0.15	0.0	0.15
(4,840)	1:97:A:ILE:HG12	1:97:A:ILE:HA	3	0.14	0.03	0.14
(4,840)	1:97:A:ILE:HG13	1:97:A:ILE:HA	3	0.14	0.03	0.14
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD2	3	0.14	0.01	0.14
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD3	3	0.14	0.01	0.14
(4,2305)	1:89:A:VAL:HG11	1:88:A:PHE:HA	3	0.14	0.03	0.15
(4,2305)	1:89:A:VAL:HG12	1:88:A:PHE:HA	3	0.14	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2305)	1:89:A:VAL:HG13	1:88:A:PHE:HA	3	0.14	0.03	0.15
(4,2305)	1:89:A:VAL:HG21	1:88:A:PHE:HA	3	0.14	0.03	0.15
(4,2305)	1:89:A:VAL:HG22	1:88:A:PHE:HA	3	0.14	0.03	0.15
(4,2305)	1:89:A:VAL:HG23	1:88:A:PHE:HA	3	0.14	0.03	0.15
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	3	0.14	0.03	0.13
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	3	0.14	0.03	0.13
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	3	0.14	0.03	0.13
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	3	0.14	0.03	0.13
(4,2759)	1:134:A:VAL:HG21	1:131:A:MET:HA	3	0.14	0.02	0.13
(4,2759)	1:134:A:VAL:HG22	1:131:A:MET:HA	3	0.14	0.02	0.13
(4,2759)	1:134:A:VAL:HG23	1:131:A:MET:HA	3	0.14	0.02	0.13
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB2	3	0.14	0.03	0.13
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB3	3	0.14	0.03	0.13
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB2	3	0.14	0.03	0.13
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB3	3	0.14	0.03	0.13
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD11	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD12	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD13	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD21	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD22	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD23	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD11	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD12	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD13	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD21	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD22	3	0.14	0.04	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD23	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB2	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB3	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB2	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB3	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB2	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB3	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB2	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB3	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB2	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB3	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB2	3	0.14	0.04	0.11
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB3	3	0.14	0.04	0.11
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB2	3	0.14	0.01	0.13
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB3	3	0.14	0.01	0.13
(4,2448)	1:109:A:ILE:HG12	1:109:A:ILE:HB	3	0.14	0.04	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,2448)	1:109:A:ILE:HG13	1:109:A:ILE:HB	3	0.14	0.04	0.11
(4,2449)	1:109:A:ILE:HG12	1:109:A:ILE:HB	3	0.14	0.04	0.11
(4,2449)	1:109:A:ILE:HG13	1:109:A:ILE:HB	3	0.14	0.04	0.11
(6,158)	1:78:A:ASP:HB2	1:16:A:LYS:H	3	0.14	0.02	0.13
(6,158)	1:78:A:ASP:HB3	1:16:A:LYS:H	3	0.14	0.02	0.13
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB2	3	0.14	0.01	0.13
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB3	3	0.14	0.01	0.13
(6,919)	1:15:A:TYR:HH	1:53:A:MET:H	3	0.14	0.01	0.13
(4,1862)	1:60:A:PRO:HG2	1:59:A:ILE:HA	3	0.14	0.02	0.15
(4,1862)	1:60:A:PRO:HG3	1:59:A:ILE:HA	3	0.14	0.02	0.15
(6,924)	1:39:A:LEU:HA	1:53:A:MET:H	3	0.13	0.02	0.14
(6,1246)	1:45:A:ASN:HB2	1:46:A:ASP:H	3	0.13	0.02	0.14
(6,1246)	1:45:A:ASN:HB3	1:46:A:ASP:H	3	0.13	0.02	0.14
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG2	3	0.13	0.02	0.13
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG3	3	0.13	0.02	0.13
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG2	3	0.13	0.02	0.13
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG3	3	0.13	0.02	0.13
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG2	3	0.13	0.02	0.13
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG3	3	0.13	0.02	0.13
(6,89)	1:10:A:LYS:HG2	1:10:A:LYS:H	3	0.13	0.0	0.13
(6,89)	1:10:A:LYS:HG3	1:10:A:LYS:H	3	0.13	0.0	0.13
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD11	3	0.13	0.03	0.11
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD12	3	0.13	0.03	0.11
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD13	3	0.13	0.03	0.11
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD11	3	0.13	0.03	0.11
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD12	3	0.13	0.03	0.11
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD13	3	0.13	0.03	0.11
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD1	3	0.13	0.02	0.12
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD2	3	0.13	0.02	0.12
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD1	3	0.13	0.02	0.12
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD2	3	0.13	0.02	0.12
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD1	3	0.13	0.02	0.12
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD2	3	0.13	0.02	0.12
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG11	3	0.13	0.02	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG12	3	0.13	0.02	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG13	3	0.13	0.02	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG11	3	0.13	0.02	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG12	3	0.13	0.02	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG13	3	0.13	0.02	0.11
(6,308)	1:135:A:PHE:H	1:134:A:VAL:H	3	0.13	0.02	0.12
(6,570)	1:109:A:ILE:HG21	1:110:A:TYR:H	3	0.13	0.02	0.12
(6,570)	1:109:A:ILE:HG22	1:110:A:TYR:H	3	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,570)	1:109:A:ILE:HG23	1:110:A:TYR:H	3	0.13	0.02	0.12
(6,720)	1:71:A:PRO:HG2	1:90:A:LYS:H	3	0.13	0.02	0.12
(6,720)	1:71:A:PRO:HG3	1:90:A:LYS:H	3	0.13	0.02	0.12
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD11	3	0.12	0.02	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD12	3	0.12	0.02	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD13	3	0.12	0.02	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD21	3	0.12	0.02	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD22	3	0.12	0.02	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD23	3	0.12	0.02	0.13
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE1	3	0.12	0.02	0.13
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE2	3	0.12	0.02	0.13
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE3	3	0.12	0.02	0.13
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD2	3	0.12	0.01	0.13
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD3	3	0.12	0.01	0.13
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD2	3	0.12	0.01	0.13
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD3	3	0.12	0.01	0.13
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD2	3	0.12	0.01	0.13
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD3	3	0.12	0.01	0.13
(6,135)	1:14:A:LYS:HG2	1:14:A:LYS:H	3	0.12	0.02	0.13
(6,135)	1:14:A:LYS:HG3	1:14:A:LYS:H	3	0.12	0.02	0.13
(6,136)	1:14:A:LYS:HG2	1:14:A:LYS:H	3	0.12	0.02	0.13
(6,136)	1:14:A:LYS:HG3	1:14:A:LYS:H	3	0.12	0.02	0.13
(6,156)	1:15:A:TYR:HB2	1:16:A:LYS:H	3	0.12	0.02	0.11
(6,156)	1:15:A:TYR:HB3	1:16:A:LYS:H	3	0.12	0.02	0.11
(6,920)	1:52:A:LEU:HD11	1:53:A:MET:H	3	0.12	0.01	0.13
(6,920)	1:52:A:LEU:HD12	1:53:A:MET:H	3	0.12	0.01	0.13
(6,920)	1:52:A:LEU:HD13	1:53:A:MET:H	3	0.12	0.01	0.13
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD11	3	0.12	0.01	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD12	3	0.12	0.01	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD13	3	0.12	0.01	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD21	3	0.12	0.01	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD22	3	0.12	0.01	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD23	3	0.12	0.01	0.11
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD2	3	0.12	0.02	0.12
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD3	3	0.12	0.02	0.12
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD2	3	0.12	0.02	0.12
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD3	3	0.12	0.02	0.12
(6,301)	1:135:A:PHE:H	1:136:A:GLY:H	3	0.12	0.01	0.11
(6,707)	1:92:A:THR:HG21	1:92:A:THR:H	3	0.12	0.02	0.12
(6,707)	1:92:A:THR:HG22	1:92:A:THR:H	3	0.12	0.02	0.12
(6,707)	1:92:A:THR:HG23	1:92:A:THR:H	3	0.12	0.02	0.12
(8,1)	1:82:A:TYR:HE1	1:119:A:HIS:HE1	3	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(8,1)	1:82:A:TYR:HE2	1:119:A:HIS:HE1	3	0.12	0.01	0.11
(4,1212)	1:11:A:MET:HB2	1:8:A:LEU:HA	3	0.12	0.01	0.11
(4,1212)	1:11:A:MET:HB3	1:8:A:LEU:HA	3	0.12	0.01	0.11
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG2	3	0.11	0.0	0.11
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG3	3	0.11	0.0	0.11
(4,244)	1:14:A:LYS:HG2	1:14:A:LYS:HA	3	0.11	0.0	0.11
(4,244)	1:14:A:LYS:HG3	1:14:A:LYS:HA	3	0.11	0.0	0.11
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB2	3	0.11	0.01	0.12
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB3	3	0.11	0.01	0.12
(4,415)	1:32:A:TYR:HB2	1:32:A:TYR:HA	3	0.11	0.01	0.11
(4,415)	1:32:A:TYR:HB3	1:32:A:TYR:HA	3	0.11	0.01	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG21	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG22	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG23	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG21	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG22	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG23	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG21	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG22	3	0.11	0.0	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG23	3	0.11	0.0	0.11
(6,627)	1:104:A:ASP:HB2	1:104:A:ASP:H	3	0.11	0.01	0.1
(6,627)	1:104:A:ASP:HB3	1:104:A:ASP:H	3	0.11	0.01	0.1
(6,649)	1:101:A:LYS:HB2	1:102:A:HIS:H	3	0.11	0.0	0.11
(6,649)	1:101:A:LYS:HB3	1:102:A:HIS:H	3	0.11	0.0	0.11
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD11	3	0.11	0.01	0.11
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD12	3	0.11	0.01	0.11
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD13	3	0.11	0.01	0.11
(4,1605)	1:31:A:LEU:HB2	1:32:A:TYR:H	3	0.11	0.01	0.11
(4,1605)	1:31:A:LEU:HB3	1:32:A:TYR:H	3	0.11	0.01	0.11
(6,75)	1:7:A:GLN:HG2	1:9:A:LYS:H	3	0.11	0.01	0.11
(6,75)	1:7:A:GLN:HG3	1:9:A:LYS:H	3	0.11	0.01	0.11
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	3	0.11	0.0	0.11
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	3	0.11	0.0	0.11
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	3	0.11	0.0	0.11
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	3	0.11	0.0	0.11
(4,1427)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	3	0.11	0.0	0.11
(4,1427)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	3	0.11	0.0	0.11
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB2	3	0.1	0.0	0.1
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB3	3	0.1	0.0	0.1
(6,672)	1:98:A:LYS:HB2	1:98:A:LYS:H	3	0.1	0.0	0.1
(6,672)	1:98:A:LYS:HB3	1:98:A:LYS:H	3	0.1	0.0	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB2	3	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB3	3	0.1	0.0	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB2	3	0.1	0.0	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB3	3	0.1	0.0	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB2	3	0.1	0.0	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB3	3	0.1	0.0	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB2	3	0.1	0.0	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB3	3	0.1	0.0	0.1
(4,1747)	1:39:A:LEU:HD11	1:51:A:GLU:HG2	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD11	1:51:A:GLU:HG3	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD12	1:51:A:GLU:HG2	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD12	1:51:A:GLU:HG3	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD13	1:51:A:GLU:HG2	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD13	1:51:A:GLU:HG3	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD21	1:51:A:GLU:HG2	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD21	1:51:A:GLU:HG3	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD22	1:51:A:GLU:HG2	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD22	1:51:A:GLU:HG3	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD23	1:51:A:GLU:HG2	2	0.57	0.01	0.57
(4,1747)	1:39:A:LEU:HD23	1:51:A:GLU:HG3	2	0.57	0.01	0.57
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG11	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG12	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG13	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG21	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG22	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG23	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG11	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG12	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG13	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG21	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG22	2	0.36	0.0	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG23	2	0.36	0.0	0.36
(6,1149)	1:9:A:LYS:HG2	1:9:A:LYS:H	2	0.3	0.08	0.3
(6,1149)	1:9:A:LYS:HG3	1:9:A:LYS:H	2	0.3	0.08	0.3
(6,1037)	1:33:A:LYS:HG2	1:33:A:LYS:H	2	0.28	0.04	0.28
(6,1037)	1:33:A:LYS:HG3	1:33:A:LYS:H	2	0.28	0.04	0.28
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD21	2	0.26	0.03	0.26
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD22	2	0.26	0.03	0.26
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD23	2	0.26	0.03	0.26
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD21	2	0.26	0.03	0.26
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD22	2	0.26	0.03	0.26
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD23	2	0.26	0.03	0.26
(8,58)	1:110:A:TYR:HE1	1:115:A:HIS:HD2	2	0.26	0.14	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(8,58)	1:110:A:TYR:HE2	1:115:A:HIS:HD2	2	0.26	0.14	0.26
(6,1320)	1:83:A:ASN:H	1:83:A:ASN:HD21	2	0.25	0.15	0.25
(6,1320)	1:83:A:ASN:H	1:83:A:ASN:HD22	2	0.25	0.15	0.25
(6,52)	1:9:A:LYS:HD2	1:7:A:GLN:H	2	0.24	0.01	0.24
(6,52)	1:9:A:LYS:HD3	1:7:A:GLN:H	2	0.24	0.01	0.24
(4,2892)	1:95:A:MET:HG2	1:143:A:SER:HA	2	0.24	0.12	0.24
(4,2892)	1:95:A:MET:HG3	1:143:A:SER:HA	2	0.24	0.12	0.24
(1,39)	1:50:A:ARG:O	1:42:A:TYR:H	2	0.24	0.06	0.24
(4,527)	1:52:A:LEU:HG	1:52:A:LEU:HA	2	0.24	0.12	0.24
(4,543)	1:52:A:LEU:HA	1:52:A:LEU:HG	2	0.24	0.12	0.24
(4,188)	1:9:A:LYS:HD2	1:9:A:LYS:HA	2	0.23	0.01	0.23
(4,188)	1:9:A:LYS:HD3	1:9:A:LYS:HA	2	0.23	0.01	0.23
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD11	2	0.22	0.08	0.22
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD12	2	0.22	0.08	0.22
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD13	2	0.22	0.08	0.22
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD11	2	0.22	0.08	0.22
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD12	2	0.22	0.08	0.22
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD13	2	0.22	0.08	0.22
(8,56)	1:110:A:TYR:HD1	1:102:A:HIS:HD2	2	0.22	0.0	0.22
(8,56)	1:110:A:TYR:HD2	1:102:A:HIS:HD2	2	0.22	0.0	0.22
(4,691)	1:83:A:ASN:HB2	1:83:A:ASN:HA	2	0.22	0.07	0.22
(4,691)	1:83:A:ASN:HB3	1:83:A:ASN:HA	2	0.22	0.07	0.22
(4,692)	1:83:A:ASN:HB2	1:83:A:ASN:HA	2	0.22	0.07	0.22
(4,692)	1:83:A:ASN:HB3	1:83:A:ASN:HA	2	0.22	0.07	0.22
(4,238)	1:14:A:LYS:HA	1:14:A:LYS:HB2	2	0.22	0.01	0.22
(4,238)	1:14:A:LYS:HA	1:14:A:LYS:HB3	2	0.22	0.01	0.22
(4,239)	1:14:A:LYS:HB2	1:14:A:LYS:HA	2	0.22	0.01	0.22
(4,239)	1:14:A:LYS:HB3	1:14:A:LYS:HA	2	0.22	0.01	0.22
(4,1403)	1:24:A:GLU:HG2	1:20:A:LEU:HB2	2	0.21	0.01	0.21
(4,1403)	1:24:A:GLU:HG2	1:20:A:LEU:HB3	2	0.21	0.01	0.21
(4,1403)	1:24:A:GLU:HG3	1:20:A:LEU:HB2	2	0.21	0.01	0.21
(4,1403)	1:24:A:GLU:HG3	1:20:A:LEU:HB3	2	0.21	0.01	0.21
(4,1483)	1:23:A:ARG:HB2	1:24:A:GLU:HG2	2	0.21	0.01	0.21
(4,1483)	1:23:A:ARG:HB2	1:24:A:GLU:HG3	2	0.21	0.01	0.21
(4,1483)	1:23:A:ARG:HB3	1:24:A:GLU:HG2	2	0.21	0.01	0.21
(4,1483)	1:23:A:ARG:HB3	1:24:A:GLU:HG3	2	0.21	0.01	0.21
(4,1484)	1:24:A:GLU:HG2	1:23:A:ARG:HB2	2	0.21	0.01	0.21
(4,1484)	1:24:A:GLU:HG2	1:23:A:ARG:HB3	2	0.21	0.01	0.21
(4,1484)	1:24:A:GLU:HG3	1:23:A:ARG:HB2	2	0.21	0.01	0.21
(4,1484)	1:24:A:GLU:HG3	1:23:A:ARG:HB3	2	0.21	0.01	0.21
(6,59)	1:6:A:SER:HB2	1:8:A:LEU:H	2	0.21	0.03	0.21
(6,59)	1:6:A:SER:HB3	1:8:A:LEU:H	2	0.21	0.03	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,176)	1:9:A:LYS:HB2	1:9:A:LYS:HA	2	0.2	0.02	0.2
(4,176)	1:9:A:LYS:HB3	1:9:A:LYS:HA	2	0.2	0.02	0.2
(4,177)	1:9:A:LYS:HB2	1:9:A:LYS:HA	2	0.2	0.02	0.2
(4,177)	1:9:A:LYS:HB3	1:9:A:LYS:HA	2	0.2	0.02	0.2
(4,1225)	1:9:A:LYS:HD2	1:8:A:LEU:HB2	2	0.2	0.0	0.2
(4,1225)	1:9:A:LYS:HD2	1:8:A:LEU:HB3	2	0.2	0.0	0.2
(4,1225)	1:9:A:LYS:HD3	1:8:A:LEU:HB2	2	0.2	0.0	0.2
(4,1225)	1:9:A:LYS:HD3	1:8:A:LEU:HB3	2	0.2	0.0	0.2
(6,561)	1:114:A:LEU:HB2	1:111:A:LEU:H	2	0.2	0.06	0.2
(6,561)	1:114:A:LEU:HB3	1:111:A:LEU:H	2	0.2	0.06	0.2
(4,611)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,611)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,611)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,611)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,612)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,612)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,612)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,612)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,613)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,613)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,613)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,613)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,614)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,614)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,614)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	2	0.2	0.01	0.2
(4,614)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	2	0.2	0.01	0.2
(4,1230)	1:53:A:MET:HG2	1:8:A:LEU:HG	2	0.2	0.02	0.2
(4,1230)	1:53:A:MET:HG3	1:8:A:LEU:HG	2	0.2	0.02	0.2
(4,2907)	1:145:A:PRO:HD2	1:144:A:ARG:HB2	2	0.2	0.02	0.2
(4,2907)	1:145:A:PRO:HD2	1:144:A:ARG:HB3	2	0.2	0.02	0.2
(4,2907)	1:145:A:PRO:HD3	1:144:A:ARG:HB2	2	0.2	0.02	0.2
(4,2907)	1:145:A:PRO:HD3	1:144:A:ARG:HB3	2	0.2	0.02	0.2
(4,1170)	1:7:A:GLN:HB2	1:4:A:SER:HB2	2	0.19	0.02	0.19
(4,1170)	1:7:A:GLN:HB2	1:4:A:SER:HB3	2	0.19	0.02	0.19
(4,1170)	1:7:A:GLN:HB3	1:4:A:SER:HB2	2	0.19	0.02	0.19
(4,1170)	1:7:A:GLN:HB3	1:4:A:SER:HB3	2	0.19	0.02	0.19
(6,1293)	1:77:A:LEU:HD11	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD11	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD12	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD12	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD13	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD13	1:83:A:ASN:HD22	2	0.19	0.01	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1293)	1:77:A:LEU:HD21	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD21	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD22	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD22	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD23	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1293)	1:77:A:LEU:HD23	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD11	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD11	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD12	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD12	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD13	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD13	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD21	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD21	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD22	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD22	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD23	1:83:A:ASN:HD21	2	0.19	0.01	0.19
(6,1294)	1:77:A:LEU:HD23	1:83:A:ASN:HD22	2	0.19	0.01	0.19
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG11	2	0.18	0.02	0.18
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG12	2	0.18	0.02	0.18
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG13	2	0.18	0.02	0.18
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG21	2	0.18	0.02	0.18
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG22	2	0.18	0.02	0.18
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG23	2	0.18	0.02	0.18
(6,717)	1:89:A:VAL:HB	1:90:A:LYS:H	2	0.18	0.01	0.18
(6,1265)	1:122:A:SER:HB2	1:117:A:TRP:HE1	2	0.18	0.02	0.18
(6,1265)	1:122:A:SER:HB3	1:117:A:TRP:HE1	2	0.18	0.02	0.18
(4,1431)	1:97:A:ILE:HD11	1:91:A:PRO:HG2	2	0.18	0.03	0.18
(4,1431)	1:97:A:ILE:HD12	1:91:A:PRO:HG2	2	0.18	0.03	0.18
(4,1431)	1:97:A:ILE:HD13	1:91:A:PRO:HG2	2	0.18	0.03	0.18
(4,3086)	1:89:A:VAL:HG11	1:91:A:PRO:HD2	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG11	1:91:A:PRO:HD3	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG12	1:91:A:PRO:HD2	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG12	1:91:A:PRO:HD3	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG13	1:91:A:PRO:HD2	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG13	1:91:A:PRO:HD3	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG21	1:91:A:PRO:HD2	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG21	1:91:A:PRO:HD3	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG22	1:91:A:PRO:HD2	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG22	1:91:A:PRO:HD3	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG23	1:91:A:PRO:HD2	2	0.18	0.06	0.18
(4,3086)	1:89:A:VAL:HG23	1:91:A:PRO:HD3	2	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(6,1036)	1:33:A:LYS:HG2	1:33:A:LYS:H	2	0.18	0.03	0.18
(6,1036)	1:33:A:LYS:HG3	1:33:A:LYS:H	2	0.18	0.03	0.18
(4,1209)	1:10:A:LYS:HG2	1:7:A:GLN:HG2	2	0.17	0.03	0.17
(4,1209)	1:10:A:LYS:HG2	1:7:A:GLN:HG3	2	0.17	0.03	0.17
(4,1209)	1:10:A:LYS:HG3	1:7:A:GLN:HG2	2	0.17	0.03	0.17
(4,1209)	1:10:A:LYS:HG3	1:7:A:GLN:HG3	2	0.17	0.03	0.17
(4,1371)	1:9:A:LYS:HA	1:18:A:ARG:HB2	2	0.17	0.07	0.17
(4,1371)	1:9:A:LYS:HA	1:18:A:ARG:HB3	2	0.17	0.07	0.17
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE1	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE2	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE3	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE1	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE2	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE3	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE1	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE2	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE3	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE1	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE2	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE3	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE1	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE2	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE3	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE1	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE2	2	0.17	0.02	0.17
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE3	2	0.17	0.02	0.17
(4,2693)	1:125:A:LEU:HA	1:128:A:ILE:HB	2	0.16	0.04	0.16
(6,161)	1:16:A:LYS:HB2	1:16:A:LYS:H	2	0.16	0.04	0.16
(6,161)	1:16:A:LYS:HB3	1:16:A:LYS:H	2	0.16	0.04	0.16
(6,512)	1:52:A:LEU:HD11	1:78:A:ASP:H	2	0.16	0.06	0.16
(6,512)	1:52:A:LEU:HD12	1:78:A:ASP:H	2	0.16	0.06	0.16
(6,512)	1:52:A:LEU:HD13	1:78:A:ASP:H	2	0.16	0.06	0.16
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE1	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE2	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE3	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE1	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE2	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE3	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE1	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE2	2	0.16	0.01	0.16
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE3	2	0.16	0.01	0.16
(4,1462)	1:20:A:LEU:HA	1:23:A:ARG:HB2	2	0.16	0.05	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1462)	1:20:A:LEU:HA	1:23:A:ARG:HB3	2	0.16	0.05	0.16
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG11	2	0.16	0.03	0.16
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG12	2	0.16	0.03	0.16
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG13	2	0.16	0.03	0.16
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG21	2	0.16	0.03	0.16
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG22	2	0.16	0.03	0.16
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG23	2	0.16	0.03	0.16
(6,913)	1:73:A:CYS:HA	1:55:A:LEU:H	2	0.16	0.05	0.16
(4,2389)	1:97:A:ILE:HD11	1:89:A:VAL:HB	2	0.15	0.04	0.15
(4,2389)	1:97:A:ILE:HD12	1:89:A:VAL:HB	2	0.15	0.04	0.15
(4,2389)	1:97:A:ILE:HD13	1:89:A:VAL:HB	2	0.15	0.04	0.15
(4,120)	1:7:A:GLN:HA	1:10:A:LYS:HD2	2	0.15	0.02	0.15
(4,120)	1:7:A:GLN:HA	1:10:A:LYS:HD3	2	0.15	0.02	0.15
(4,1513)	1:22:A:VAL:HA	1:26:A:VAL:HB	2	0.15	0.03	0.15
(1,6)	1:6:A:SER:O	1:10:A:LYS:H	2	0.14	0.03	0.14
(6,278)	1:141:A:VAL:HB	1:142:A:PHE:H	2	0.14	0.04	0.14
(6,579)	1:109:A:ILE:HB	1:109:A:ILE:H	2	0.14	0.03	0.14
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB1	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB2	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB3	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB1	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB2	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB3	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB1	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB2	2	0.14	0.02	0.14
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB3	2	0.14	0.02	0.14
(4,2612)	1:117:A:TRP:HH2	1:123:A:ASP:HA	2	0.14	0.02	0.14
(4,2894)	1:95:A:MET:HB2	1:143:A:SER:HA	2	0.14	0.02	0.14
(4,2894)	1:95:A:MET:HB3	1:143:A:SER:HA	2	0.14	0.02	0.14
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG21	2	0.14	0.01	0.14
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG22	2	0.14	0.01	0.14
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG23	2	0.14	0.01	0.14
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG21	2	0.14	0.01	0.14
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG22	2	0.14	0.01	0.14
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG23	2	0.14	0.01	0.14
(6,712)	1:95:A:MET:HG2	1:92:A:THR:H	2	0.14	0.02	0.14
(6,712)	1:95:A:MET:HG3	1:92:A:THR:H	2	0.14	0.02	0.14
(6,1332)	1:42:A:TYR:H	1:41:A:SER:HB2	2	0.14	0.02	0.14
(6,1332)	1:42:A:TYR:H	1:41:A:SER:HB3	2	0.14	0.02	0.14
(4,604)	1:64:A:ARG:HG2	1:64:A:ARG:HA	2	0.13	0.0	0.13
(4,604)	1:64:A:ARG:HG3	1:64:A:ARG:HA	2	0.13	0.0	0.13
(4,855)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	2	0.13	0.0	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,855)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	2	0.13	0.0	0.13
(4,855)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	2	0.13	0.0	0.13
(4,855)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	2	0.13	0.0	0.13
(4,1751)	1:52:A:LEU:H	1:51:A:GLU:HG2	2	0.13	0.0	0.13
(4,1751)	1:52:A:LEU:H	1:51:A:GLU:HG3	2	0.13	0.0	0.13
(6,273)	1:95:A:MET:HA	1:143:A:SER:H	2	0.13	0.0	0.13
(4,48)	1:61:A:VAL:HG11	1:136:A:GLY:HA2	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG11	1:136:A:GLY:HA3	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG12	1:136:A:GLY:HA2	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG12	1:136:A:GLY:HA3	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG13	1:136:A:GLY:HA2	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG13	1:136:A:GLY:HA3	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG21	1:136:A:GLY:HA2	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG21	1:136:A:GLY:HA3	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG22	1:136:A:GLY:HA2	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG22	1:136:A:GLY:HA3	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG23	1:136:A:GLY:HA2	2	0.12	0.01	0.12
(4,48)	1:61:A:VAL:HG23	1:136:A:GLY:HA3	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG11	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG12	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG13	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG21	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG22	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG23	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG11	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG12	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG13	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG21	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG22	2	0.12	0.01	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG23	2	0.12	0.01	0.12
(6,96)	1:51:A:GLU:HG2	1:11:A:MET:H	2	0.12	0.01	0.12
(6,96)	1:51:A:GLU:HG3	1:11:A:MET:H	2	0.12	0.01	0.12
(6,1040)	1:33:A:LYS:HD2	1:33:A:LYS:H	2	0.12	0.02	0.12
(6,1040)	1:33:A:LYS:HD3	1:33:A:LYS:H	2	0.12	0.02	0.12
(8,6)	1:68:A:TYR:HE1	1:63:A:TYR:HE1	2	0.12	0.02	0.12
(8,6)	1:68:A:TYR:HE1	1:63:A:TYR:HE2	2	0.12	0.02	0.12
(8,6)	1:68:A:TYR:HE2	1:63:A:TYR:HE1	2	0.12	0.02	0.12
(8,6)	1:68:A:TYR:HE2	1:63:A:TYR:HE2	2	0.12	0.02	0.12
(4,3060)	1:36:A:LYS:HD2	1:36:A:LYS:HA	2	0.12	0.02	0.12
(4,3060)	1:36:A:LYS:HD3	1:36:A:LYS:HA	2	0.12	0.02	0.12
(8,93)	1:135:A:PHE:HD1	1:102:A:HIS:HE1	2	0.12	0.02	0.12
(8,93)	1:135:A:PHE:HD2	1:102:A:HIS:HE1	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)
(4,49)	1:133:A:VAL:HG21	1:129:A:GLN:HG2	2	0.12	0.01	0.12
(4,49)	1:133:A:VAL:HG21	1:129:A:GLN:HG3	2	0.12	0.01	0.12
(4,49)	1:133:A:VAL:HG22	1:129:A:GLN:HG2	2	0.12	0.01	0.12
(4,49)	1:133:A:VAL:HG22	1:129:A:GLN:HG3	2	0.12	0.01	0.12
(4,49)	1:133:A:VAL:HG23	1:129:A:GLN:HG2	2	0.12	0.01	0.12
(4,49)	1:133:A:VAL:HG23	1:129:A:GLN:HG3	2	0.12	0.01	0.12
(4,333)	1:22:A:VAL:HA	1:25:A:THR:HA	2	0.12	0.0	0.12
(4,1465)	1:24:A:GLU:HA	1:23:A:ARG:HG2	2	0.12	0.01	0.12
(4,1465)	1:24:A:GLU:HA	1:23:A:ARG:HG3	2	0.12	0.01	0.12
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG11	2	0.12	0.01	0.12
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG12	2	0.12	0.01	0.12
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG13	2	0.12	0.01	0.12
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG11	2	0.12	0.01	0.12
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG12	2	0.12	0.01	0.12
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG13	2	0.12	0.01	0.12
(4,2411)	1:135:A:PHE:HD1	1:102:A:HIS:HB2	2	0.12	0.01	0.12
(4,2411)	1:135:A:PHE:HD1	1:102:A:HIS:HB3	2	0.12	0.01	0.12
(4,2411)	1:135:A:PHE:HD2	1:102:A:HIS:HB2	2	0.12	0.01	0.12
(4,2411)	1:135:A:PHE:HD2	1:102:A:HIS:HB3	2	0.12	0.01	0.12
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG21	2	0.12	0.01	0.12
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG22	2	0.12	0.01	0.12
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG23	2	0.12	0.01	0.12
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG21	2	0.12	0.01	0.12
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG22	2	0.12	0.01	0.12
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG23	2	0.12	0.01	0.12
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG21	2	0.12	0.02	0.12
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG22	2	0.12	0.02	0.12
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG23	2	0.12	0.02	0.12
(4,2242)	1:97:A:ILE:HG21	1:99:A:THR:HA	2	0.12	0.02	0.12
(4,2242)	1:97:A:ILE:HG22	1:99:A:THR:HA	2	0.12	0.02	0.12
(4,2242)	1:97:A:ILE:HG23	1:99:A:THR:HA	2	0.12	0.02	0.12
(4,2545)	1:117:A:TRP:HB2	1:114:A:LEU:HA	2	0.12	0.02	0.12
(4,2545)	1:117:A:TRP:HB3	1:114:A:LEU:HA	2	0.12	0.02	0.12
(4,2794)	1:128:A:ILE:HG21	1:132:A:ILE:HB	2	0.12	0.02	0.12
(4,2794)	1:128:A:ILE:HG22	1:132:A:ILE:HB	2	0.12	0.02	0.12
(4,2794)	1:128:A:ILE:HG23	1:132:A:ILE:HB	2	0.12	0.02	0.12
(6,695)	1:94:A:SER:HB2	1:94:A:SER:H	2	0.12	0.02	0.12
(6,695)	1:94:A:SER:HB3	1:94:A:SER:H	2	0.12	0.02	0.12
(1,62)	1:75:A:TRP:O	1:86:A:ILE:N	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG21	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG22	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG23	2	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG21	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG22	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG23	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG21	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG22	2	0.12	0.0	0.12
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG23	2	0.12	0.0	0.12
(4,2689)	1:74:A:LEU:HD11	1:127:A:LEU:HG	2	0.12	0.0	0.12
(4,2689)	1:74:A:LEU:HD12	1:127:A:LEU:HG	2	0.12	0.0	0.12
(4,2689)	1:74:A:LEU:HD13	1:127:A:LEU:HG	2	0.12	0.0	0.12
(4,2689)	1:74:A:LEU:HD21	1:127:A:LEU:HG	2	0.12	0.0	0.12
(4,2689)	1:74:A:LEU:HD22	1:127:A:LEU:HG	2	0.12	0.0	0.12
(4,2689)	1:74:A:LEU:HD23	1:127:A:LEU:HG	2	0.12	0.0	0.12
(4,2915)	1:32:A:TYR:HE1	1:28:A:VAL:HA	2	0.12	0.0	0.12
(4,2915)	1:32:A:TYR:HE2	1:28:A:VAL:HA	2	0.12	0.0	0.12
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD11	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD12	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD13	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD21	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD22	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD23	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD11	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD12	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD13	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD21	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD22	2	0.11	0.0	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD23	2	0.11	0.0	0.11
(4,193)	1:10:A:LYS:HA	1:10:A:LYS:HG2	2	0.11	0.01	0.11
(4,193)	1:10:A:LYS:HA	1:10:A:LYS:HG3	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	2	0.11	0.01	0.11
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	2	0.11	0.01	0.11

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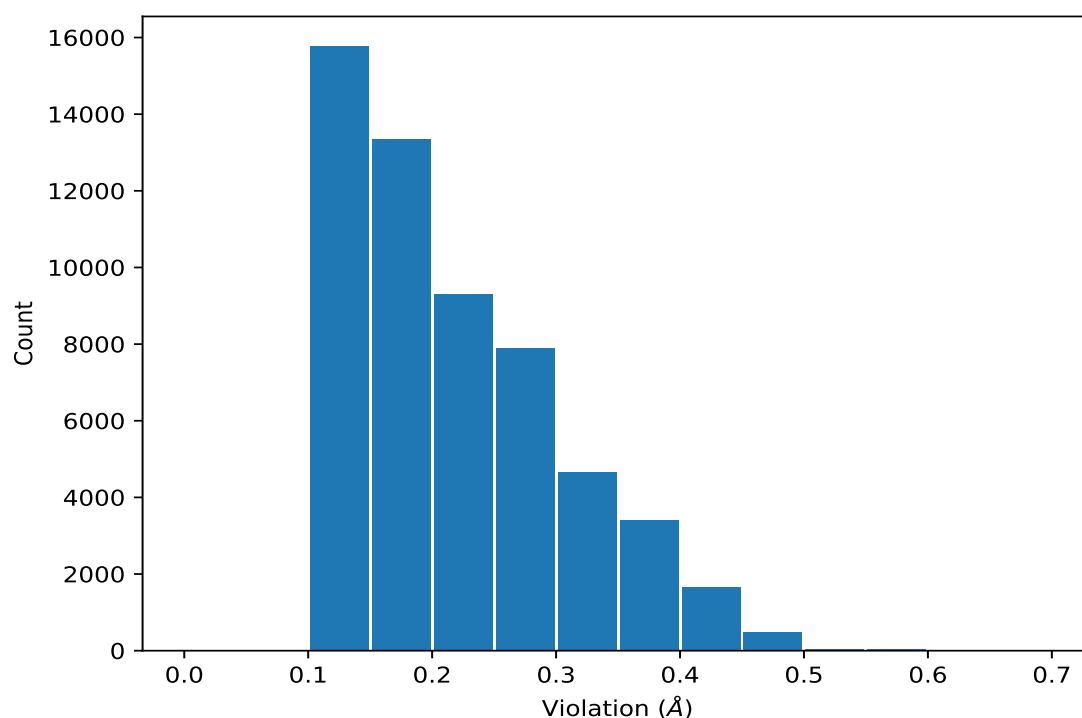
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,975)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	2	0.11	0.01	0.11
(4,975)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	2	0.11	0.01	0.11
(4,1303)	1:15:A:TYR:HA	1:78:A:ASP:HB2	2	0.11	0.0	0.11
(4,1303)	1:15:A:TYR:HA	1:78:A:ASP:HB3	2	0.11	0.0	0.11
(4,1479)	1:124:A:LEU:HD11	1:24:A:GLU:HG2	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD11	1:24:A:GLU:HG3	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD12	1:24:A:GLU:HG2	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD12	1:24:A:GLU:HG3	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD13	1:24:A:GLU:HG2	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD13	1:24:A:GLU:HG3	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD21	1:24:A:GLU:HG2	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD21	1:24:A:GLU:HG3	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD22	1:24:A:GLU:HG2	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD22	1:24:A:GLU:HG3	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD23	1:24:A:GLU:HG2	2	0.11	0.01	0.11
(4,1479)	1:124:A:LEU:HD23	1:24:A:GLU:HG3	2	0.11	0.01	0.11
(6,584)	1:109:A:ILE:HG12	1:109:A:ILE:H	2	0.11	0.0	0.11
(6,584)	1:109:A:ILE:HG13	1:109:A:ILE:H	2	0.11	0.0	0.11
(6,1318)	1:54:A:ASN:HD21	1:54:A:ASN:HD22	2	0.1	0.0	0.1
(6,1319)	1:54:A:ASN:HD22	1:54:A:ASN:HD21	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)
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD1	16	0.7
(4,2484)	1:111:A:LEU:HD23	1:102:A:HIS:HD1	16	0.68
(4,2484)	1:111:A:LEU:HD22	1:102:A:HIS:HD1	6	0.66
(4,478)	1:39:A:LEU:HA	1:39:A:LEU:HD11	2	0.62
(4,478)	1:39:A:LEU:HA	1:39:A:LEU:HD12	2	0.62
(4,478)	1:39:A:LEU:HA	1:39:A:LEU:HD13	2	0.62
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	19	0.61
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	19	0.61
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	7	0.59
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	7	0.59
(4,1747)	1:39:A:LEU:HD11	1:51:A:GLU:HG2	7	0.59
(4,1747)	1:39:A:LEU:HD11	1:51:A:GLU:HG3	7	0.59
(4,1747)	1:39:A:LEU:HD12	1:51:A:GLU:HG2	7	0.59
(4,1747)	1:39:A:LEU:HD12	1:51:A:GLU:HG3	7	0.59
(4,1747)	1:39:A:LEU:HD13	1:51:A:GLU:HG2	7	0.59
(4,1747)	1:39:A:LEU:HD13	1:51:A:GLU:HG3	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1747)	1:39:A:LEU:HD21	1:51:A:GLU:HG2	7	0.59
(4,1747)	1:39:A:LEU:HD21	1:51:A:GLU:HG3	7	0.59
(4,1747)	1:39:A:LEU:HD22	1:51:A:GLU:HG2	7	0.59
(4,1747)	1:39:A:LEU:HD22	1:51:A:GLU:HG3	7	0.59
(4,1747)	1:39:A:LEU:HD23	1:51:A:GLU:HG2	7	0.59
(4,1747)	1:39:A:LEU:HD23	1:51:A:GLU:HG3	7	0.59
(6,1194)	1:39:A:LEU:HD11	1:54:A:ASN:H	2	0.58
(6,1194)	1:39:A:LEU:HD12	1:54:A:ASN:H	2	0.58
(6,1194)	1:39:A:LEU:HD13	1:54:A:ASN:H	2	0.58
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	3	0.56
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	3	0.56
(4,2484)	1:111:A:LEU:HD21	1:102:A:HIS:HD2	17	0.56
(4,1747)	1:39:A:LEU:HD11	1:51:A:GLU:HG2	11	0.56
(4,1747)	1:39:A:LEU:HD11	1:51:A:GLU:HG3	11	0.56
(4,1747)	1:39:A:LEU:HD12	1:51:A:GLU:HG2	11	0.56
(4,1747)	1:39:A:LEU:HD12	1:51:A:GLU:HG3	11	0.56
(4,1747)	1:39:A:LEU:HD13	1:51:A:GLU:HG2	11	0.56
(4,1747)	1:39:A:LEU:HD13	1:51:A:GLU:HG3	11	0.56
(4,1747)	1:39:A:LEU:HD21	1:51:A:GLU:HG2	11	0.56
(4,1747)	1:39:A:LEU:HD21	1:51:A:GLU:HG3	11	0.56
(4,1747)	1:39:A:LEU:HD22	1:51:A:GLU:HG2	11	0.56
(4,1747)	1:39:A:LEU:HD22	1:51:A:GLU:HG3	11	0.56
(4,1747)	1:39:A:LEU:HD23	1:51:A:GLU:HG2	11	0.56
(4,1747)	1:39:A:LEU:HD23	1:51:A:GLU:HG3	11	0.56
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	14	0.55
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	14	0.55
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	17	0.55
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	17	0.55
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	9	0.54
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	3	0.53
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	3	0.53
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	3	0.53
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	3	0.53
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	3	0.53
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	3	0.53
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	1	0.52
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	1	0.52
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD2	19	0.52
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	2	0.52
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	2	0.52
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	2	0.52
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	2	0.52
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	2	0.52
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	17	0.51
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	17	0.51
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	8	0.51
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	8	0.51
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	8	0.51
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	8	0.51
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	8	0.51
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	8	0.51
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	15	0.51
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	15	0.51
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	15	0.51
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	15	0.51
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	12	0.51
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	20	0.5
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	20	0.5
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	20	0.5
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	20	0.5
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	16	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	3	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	5	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	9	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	10	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	11	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	15	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	16	0.5
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	19	0.5
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	4	0.49
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	4	0.49
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	3	0.49
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	3	0.49
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	11	0.49
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	11	0.49
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	3	0.49
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	3	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	1	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	1	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	1	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	1	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	2	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	2	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	2	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	6	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	6	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	6	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	6	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	10	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	10	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	10	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	10	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	15	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	15	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	15	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	15	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	16	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	16	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	16	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	16	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	18	0.49
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	18	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	18	0.49
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	18	0.49
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	18	0.49
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	10	0.49
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	10	0.49
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	10	0.49
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	10	0.49
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	5	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	1	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	3	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	5	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	7	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	10	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	11	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	12	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	13	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	16	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	19	0.49
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	20	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	1	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	4	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	6	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	7	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	9	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	10	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	12	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	14	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	15	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	17	0.49
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	18	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	1	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	4	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	5	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	6	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	7	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	9	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	10	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	12	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	14	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	15	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	17	0.49
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	18	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	1	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	2	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	4	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	6	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	7	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	8	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	12	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	13	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	14	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	17	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	18	0.49
(4,236)	1:139:A:PRO:HB3	1:139:A:PRO:HB2	20	0.49
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	8	0.48
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	8	0.48
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	13	0.48
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	13	0.48
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	19	0.48
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	11	0.48
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	15	0.48
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	15	0.48
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	14	0.48
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	14	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	5	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	5	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	5	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	5	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	9	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	9	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	9	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	9	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	11	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	11	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	11	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	11	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	12	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	12	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	12	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	12	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	14	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	14	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	14	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	14	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	17	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	17	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	17	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	17	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	19	0.48
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	19	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	19	0.48
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	19	0.48
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	12	0.48
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	12	0.48
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	12	0.48
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	6	0.48
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	6	0.48
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	2	0.48
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	2	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	2	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	4	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	6	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	8	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	14	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	15	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	17	0.48
(4,880)	1:104:A:ASP:HB2	1:104:A:ASP:HB3	18	0.48
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	15	0.48
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	15	0.48
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	10	0.48
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	10	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	1	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	2	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	3	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	4	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	5	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	6	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	7	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	8	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	9	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	10	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	11	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	12	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	13	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	14	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	15	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	16	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	17	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	18	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	19	0.48
(4,688)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	20	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	1	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	2	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	3	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	4	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	5	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	6	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	7	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	8	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	9	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	10	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	11	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	12	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	13	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	15	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	16	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	17	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	18	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	19	0.48
(4,687)	1:82:A:TYR:HB3	1:82:A:TYR:HB2	20	0.48
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	2	0.48
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	3	0.48
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	11	0.48
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	16	0.48
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	20	0.48
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	2	0.48
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	3	0.48
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	11	0.48
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	16	0.48
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	20	0.48
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	2	0.47
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	2	0.47
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	2	0.47
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	2	0.47
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	2	0.47
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	2	0.47
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	1	0.47
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	1	0.47
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	9	0.47
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	9	0.47
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	6	0.47
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	6	0.47
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	6	0.47
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	6	0.47
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	9	0.47
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	12	0.47
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	15	0.47
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	16	0.47
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	20	0.47
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	10	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	3	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	3	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	3	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	3	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	4	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	4	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	4	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	7	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	7	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	7	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	7	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	8	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	8	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	8	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	8	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	13	0.47
(4,3104)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	13	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	13	0.47
(4,3104)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	13	0.47
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	8	0.47
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	8	0.47
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	6	0.47
(4,1525)	1:27:A:ASN:HA	1:30:A:THR:HB	7	0.47
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	10	0.47
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	10	0.47
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	10	0.47
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	10	0.47
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	1	0.47
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	1	0.47
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	14	0.47
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	14	0.47
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	16	0.47
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	16	0.47
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	18	0.47
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	18	0.47
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	8	0.47
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	13	0.47
(4,599)	1:64:A:ARG:HB2	1:64:A:ARG:HB3	19	0.47
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	8	0.47
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	13	0.47
(4,598)	1:64:A:ARG:HB3	1:64:A:ARG:HB2	19	0.47
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	8	0.47
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	8	0.47
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	8	0.47
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	9	0.47
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	9	0.47
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	17	0.47
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	17	0.47
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	17	0.47
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	9	0.46
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	9	0.46
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	15	0.46
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	15	0.46
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	15	0.46
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	15	0.46
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	4	0.46
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	14	0.46
(6,1273)	1:30:A:THR:HB	1:27:A:ASN:HD21	12	0.46
(6,1273)	1:30:A:THR:HB	1:27:A:ASN:HD22	12	0.46
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	10	0.46
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	10	0.46
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	1	0.46
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	4	0.46
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	13	0.46
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	13	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	1	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	12	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	13	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	14	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	15	0.46
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	16	0.46
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	3	0.46
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	3	0.46
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	11	0.46
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	11	0.46
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	11	0.46
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	15	0.46
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	15	0.46
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	15	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	1	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	3	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	8	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	10	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	13	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	14	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	17	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	18	0.46
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	18	0.46
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	1	0.46
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	1	0.46
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	12	0.46
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	12	0.46
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	9	0.46
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	9	0.46
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	14	0.46
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	5	0.46
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	5	0.46
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	5	0.46
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	5	0.46
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	5	0.46
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	5	0.46
(4,1525)	1:27:A:ASN:HA	1:30:A:THR:HB	13	0.46
(4,1525)	1:27:A:ASN:HA	1:30:A:THR:HB	14	0.46
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	14	0.46
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	14	0.46
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	14	0.46
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	14	0.46
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	14	0.46
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	14	0.46
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	14	0.46
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	14	0.46
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	14	0.46
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	14	0.46
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	14	0.46
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	14	0.46
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	14	0.46
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	14	0.46
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	14	0.46
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	14	0.46
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	14	0.46
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	14	0.46
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	7	0.46
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	7	0.46
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	7	0.46
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	7	0.46
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	19	0.46
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	19	0.46
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	19	0.46
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	5	0.46
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	5	0.46
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	12	0.46
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	12	0.46
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	17	0.46
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	17	0.46
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	18	0.46
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	18	0.46
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	13	0.46
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	13	0.46
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	20	0.46
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	20	0.46
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	20	0.46
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	9	0.46
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	9	0.46
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	9	0.46
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	8	0.46
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	8	0.46
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	8	0.46
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	14	0.46
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	14	0.46
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	15	0.45
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	15	0.45
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	16	0.45
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	6	0.45
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	6	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	3	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	4	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	5	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	6	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	7	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	9	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	10	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	17	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	18	0.45
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	20	0.45
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	5	0.45
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	5	0.45
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	8	0.45
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	8	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	4	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	4	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	5	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	5	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	5	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	13	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	13	0.45
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	13	0.45
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	2	0.45
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	5	0.45
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	7	0.45
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	11	0.45
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	15	0.45
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	13	0.45
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	13	0.45
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	10	0.45
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	10	0.45
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	16	0.45
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	16	0.45
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	19	0.45
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	19	0.45
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	1	0.45
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	17	0.45
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	17	0.45
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	17	0.45
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	17	0.45
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	17	0.45
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	17	0.45
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	8	0.45
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	8	0.45
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	8	0.45
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	8	0.45
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	8	0.45
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	8	0.45
(4,2484)	1:111:A:LEU:HD21	1:102:A:HIS:HD2	12	0.45
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	9	0.45
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	9	0.45
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	9	0.45
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	9	0.45
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	9	0.45
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	9	0.45
(4,1685)	1:11:A:MET:HG2	1:39:A:LEU:HD21	2	0.45
(4,1685)	1:11:A:MET:HG2	1:39:A:LEU:HD22	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1685)	1:11:A:MET:HG2	1:39:A:LEU:HD23	2	0.45
(4,1685)	1:11:A:MET:HG3	1:39:A:LEU:HD21	2	0.45
(4,1685)	1:11:A:MET:HG3	1:39:A:LEU:HD22	2	0.45
(4,1685)	1:11:A:MET:HG3	1:39:A:LEU:HD23	2	0.45
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	7	0.45
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	7	0.45
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	7	0.45
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	7	0.45
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	11	0.45
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	11	0.45
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	15	0.45
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	15	0.45
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	19	0.45
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	19	0.45
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	18	0.45
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	18	0.45
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	18	0.45
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	18	0.45
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	20	0.45
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	20	0.45
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	20	0.45
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	13	0.45
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	13	0.45
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	13	0.45
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	13	0.45
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	2	0.45
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	2	0.45
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	7	0.45
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	7	0.45
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	7	0.45
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	7	0.45
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	7	0.45
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	1	0.45
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	1	0.45
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	1	0.45
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	1	0.45
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	1	0.45
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	1	0.45
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	7	0.44
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	13	0.44
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	18	0.44
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	10	0.44
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	15	0.44
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	15	0.44
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	20	0.44
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	20	0.44
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	2	0.44
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	8	0.44
(6,439)	1:123:A:ASP:H	1:123:A:ASP:HA	19	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	1	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	1	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	4	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	4	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	6	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	6	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	10	0.44
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	10	0.44
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	13	0.44
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	4	0.44
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	4	0.44
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	4	0.44
(6,280)	1:142:A:PHE:HA	1:142:A:PHE:H	4	0.44
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	3	0.44
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	13	0.44
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	19	0.44
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	8	0.44
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	8	0.44
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	8	0.44
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	8	0.44
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	8	0.44
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	8	0.44
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	8	0.44
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	8	0.44
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	8	0.44
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	11	0.44
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	11	0.44
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	11	0.44
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	13	0.44
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	13	0.44
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	13	0.44
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	7	0.44
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	7	0.44
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	11	0.44
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	11	0.44
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	11	0.44
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	11	0.44
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	11	0.44
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	11	0.44
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	5	0.44
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	6	0.44
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	19	0.44
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	11	0.44
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	11	0.44
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	11	0.44
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	11	0.44
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	11	0.44
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	11	0.44
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	11	0.44
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	18	0.44
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	6	0.44
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	6	0.44
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	6	0.44
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	4	0.44
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	4	0.44
(4,1525)	1:27:A:ASN:HA	1:30:A:THR:HB	19	0.44
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	3	0.44
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	3	0.44
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	6	0.44
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	6	0.44
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	9	0.44
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	9	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	6	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	6	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	6	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	6	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	8	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	8	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	8	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	8	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	11	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	11	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	11	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	11	0.44
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	16	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	16	0.44
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	16	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	1	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	1	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	1	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	2	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	2	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	2	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	3	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	3	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	3	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	4	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	4	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	4	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	5	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	5	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	5	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	6	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	6	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	6	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	7	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	7	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	7	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	8	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	8	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	8	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	9	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	9	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	9	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	10	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	10	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	10	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	11	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	11	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	11	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	12	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	12	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	12	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	13	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	13	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	14	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	14	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	14	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	15	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	15	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	15	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	16	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	16	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	16	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	17	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	17	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	17	0.44
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	19	0.44
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	19	0.44
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	19	0.44
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	19	0.44
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	19	0.44
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	19	0.44
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	19	0.44
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	19	0.44
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	19	0.44
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	8	0.44
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	8	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	1	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	1	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	1	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	2	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	2	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	2	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	3	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	3	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	3	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	7	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	7	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	7	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	10	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	10	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	10	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	15	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	15	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	15	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	16	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	16	0.44
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	17	0.44
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	17	0.44
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	17	0.44
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	1	0.44
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	1	0.44
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	1	0.44
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	1	0.44
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	2	0.43
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	2	0.43
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	18	0.43
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	18	0.43
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	3	0.43
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	14	0.43
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	14	0.43
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	14	0.43
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	14	0.43
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	18	0.43
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	18	0.43
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	4	0.43
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	6	0.43
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	10	0.43
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	10	0.43
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	12	0.43
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	12	0.43
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	8	0.43
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	8	0.43
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	8	0.43
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	12	0.43
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	17	0.43
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	9	0.43
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	9	0.43
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	9	0.43
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	4	0.43
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	5	0.43
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	6	0.43
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	11	0.43
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	12	0.43
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	14	0.43
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	13	0.43
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	8	0.43
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	8	0.43
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	5	0.43
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	10	0.43
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	13	0.43
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	13	0.43
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	13	0.43
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	13	0.43
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	13	0.43
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	13	0.43
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	15	0.43
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	15	0.43
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	18	0.43
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	18	0.43
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	18	0.43
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	18	0.43
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	18	0.43
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	18	0.43
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	18	0.43
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	18	0.43
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	18	0.43
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	18	0.43
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	18	0.43
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	18	0.43
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	18	0.43
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	18	0.43
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	18	0.43
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	18	0.43
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	18	0.43
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	18	0.43
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	18	0.43
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	18	0.43
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	18	0.43
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	18	0.43
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	18	0.43
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	18	0.43
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	7	0.43
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	7	0.43
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	7	0.43
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	7	0.43
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	7	0.43
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	7	0.43
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	14	0.43
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	14	0.43
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	14	0.43
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	14	0.43
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	1	0.43
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	1	0.43
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	1	0.43
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	15	0.43
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	15	0.43
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	15	0.43
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	15	0.43
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	15	0.43
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	15	0.43
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	15	0.43
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	15	0.43
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	15	0.43
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	15	0.43
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	15	0.43
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	15	0.43
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	8	0.43
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	8	0.43
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	8	0.43
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	8	0.43
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	8	0.43
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	8	0.43
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	9	0.43
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	9	0.43
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	9	0.43
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	9	0.43
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	13	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	1	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	1	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	1	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	2	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	2	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	2	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	3	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	3	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	3	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	4	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	4	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	5	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	5	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	5	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	6	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	6	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	6	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	7	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	7	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	7	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	8	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	8	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	8	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	9	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	9	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	9	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	10	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	10	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	10	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	11	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	11	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	11	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	12	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	12	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	12	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	13	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	13	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	13	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	14	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	14	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	14	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	15	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	15	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	15	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	16	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	16	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	16	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	17	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	17	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	17	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	18	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	18	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	19	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	19	0.43
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	19	0.43
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	1	0.43
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	5	0.43
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	13	0.43
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	16	0.43
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	1	0.43
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	1	0.43
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	1	0.43
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	1	0.43
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	1	0.43
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	1	0.43
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	9	0.43
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	18	0.43
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	15	0.43
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	15	0.43
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	15	0.43
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	15	0.43
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	15	0.43
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	15	0.43
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	13	0.43
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	13	0.43
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	13	0.43
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	13	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	1	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	1	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	1	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	1	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	2	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	2	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	2	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	2	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	3	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	3	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	3	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	3	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	5	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	5	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	5	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	8	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	8	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	8	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	8	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	9	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	9	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	9	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	9	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	13	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	13	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	13	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	13	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	17	0.43
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	17	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	17	0.43
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	17	0.43
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	4	0.43
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	4	0.43
(4,1030)	1:128:A:ILE:HG21	1:128:A:ILE:HB	18	0.43
(4,1030)	1:128:A:ILE:HG22	1:128:A:ILE:HB	18	0.43
(4,1030)	1:128:A:ILE:HG23	1:128:A:ILE:HB	18	0.43
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	4	0.43
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	4	0.43
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	4	0.43
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	4	0.43
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	4	0.43
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	4	0.43
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	9	0.43
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	9	0.43
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	9	0.43
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	9	0.43
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	9	0.43
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	9	0.43
(4,776)	1:89:A:VAL:HA	1:89:A:VAL:HB	17	0.43
(4,775)	1:89:A:VAL:HA	1:89:A:VAL:HB	17	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	5	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	5	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	5	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	6	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	6	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	6	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	11	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	11	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	12	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	12	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	12	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	13	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	13	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	13	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	14	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	14	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	14	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	18	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	18	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	18	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	19	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	19	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	19	0.43
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	20	0.43
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	20	0.43
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	20	0.43
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	10	0.43
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	10	0.43
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	10	0.43
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	19	0.43
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	19	0.43
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	19	0.43
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	17	0.43
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	17	0.43
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	19	0.42
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	17	0.42
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	17	0.42
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	17	0.42
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	17	0.42
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	19	0.42
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	6	0.42
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	6	0.42
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	11	0.42
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	11	0.42
(6,814)	1:75:A:TRP:H	1:54:A:ASN:HB2	11	0.42
(6,814)	1:75:A:TRP:H	1:54:A:ASN:HB3	11	0.42
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	19	0.42
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	11	0.42
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	17	0.42
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	17	0.42
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	10	0.42
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	10	0.42
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	10	0.42
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	17	0.42
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	17	0.42
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	17	0.42
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	10	0.42
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	10	0.42
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	10	0.42
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	19	0.42
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	19	0.42
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	19	0.42
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	13	0.42
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	13	0.42
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	17	0.42
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	15	0.42
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	15	0.42
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	5	0.42
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	5	0.42
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	15	0.42
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	15	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	4	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	4	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	6	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	6	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	18	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	18	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	19	0.42
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	19	0.42
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	2	0.42
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	2	0.42
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	2	0.42
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	2	0.42
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	2	0.42
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	2	0.42
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	1	0.42
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	1	0.42
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	1	0.42
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	4	0.42
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	13	0.42
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	13	0.42
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	13	0.42
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	13	0.42
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	13	0.42
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	13	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	10	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	10	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	10	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	10	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	10	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	10	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	20	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	20	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	20	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	20	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	20	0.42
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	20	0.42
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD2	14	0.42
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	11	0.42
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	11	0.42
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	11	0.42
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	11	0.42
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	11	0.42
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	11	0.42
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	7	0.42
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	7	0.42
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	7	0.42
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	7	0.42
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	7	0.42
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	7	0.42
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	6	0.42
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	6	0.42
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	6	0.42
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	6	0.42
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	6	0.42
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	6	0.42
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG21	20	0.42
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG22	20	0.42
(4,2078)	1:72:A:ILE:HB	1:72:A:ILE:HG23	20	0.42
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	4	0.42
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	8	0.42
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	17	0.42
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	2	0.42
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	7	0.42
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	9	0.42
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	12	0.42
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	13	0.42
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	3	0.42
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	3	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	8	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	8	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	8	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	8	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	8	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	8	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	17	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	17	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	17	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	17	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	17	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	17	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	19	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	19	0.42
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	19	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	19	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	19	0.42
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	19	0.42
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	13	0.42
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	13	0.42
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	13	0.42
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	13	0.42
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	13	0.42
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	13	0.42
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB2	7	0.42
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB3	7	0.42
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB2	7	0.42
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB3	7	0.42
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB2	7	0.42
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB3	7	0.42
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	20	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	4	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	4	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	4	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	6	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	6	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	6	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	6	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	11	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	11	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	11	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	11	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	12	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	12	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	12	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	12	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	14	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	14	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	14	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	14	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	15	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	15	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	15	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	15	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	16	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	16	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	16	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	16	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	18	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	18	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	18	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	18	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.42
(4,1330)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.42
(4,1330)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.42
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	7	0.42
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	11	0.42
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	13	0.42
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	20	0.42
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	20	0.42
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	7	0.42
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	7	0.42
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	7	0.42
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	7	0.42
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	7	0.42
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	7	0.42
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	7	0.42
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	7	0.42
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	7	0.42
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	7	0.42
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	7	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	2	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	2	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	2	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	2	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	2	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	2	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	5	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	5	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	5	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	5	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	5	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	5	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	7	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	7	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	7	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	7	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	7	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	7	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	8	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	8	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	8	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	8	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	8	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	8	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	16	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	16	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	16	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	16	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	16	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	16	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	20	0.42
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	20	0.42
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	20	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	20	0.42
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	20	0.42
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	7	0.42
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	7	0.42
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	7	0.42
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	7	0.42
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	7	0.42
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	7	0.42
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	15	0.42
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	15	0.42
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	5	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	1	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	1	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	1	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	4	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	4	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	4	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	9	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	9	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	9	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	10	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	10	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	10	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	11	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	11	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	11	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	19	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	19	0.42
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	19	0.42
(4,540)	1:52:A:LEU:HD21	1:52:A:LEU:HG	4	0.42
(4,540)	1:52:A:LEU:HD22	1:52:A:LEU:HG	4	0.42
(4,540)	1:52:A:LEU:HD23	1:52:A:LEU:HG	4	0.42
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	1	0.42
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	1	0.42
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	1	0.42
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	3	0.42
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	3	0.42
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	3	0.42
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	11	0.42
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	11	0.42
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	20	0.42
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	20	0.42
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	20	0.42
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	12	0.42
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	12	0.42
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	18	0.42
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	18	0.42
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	20	0.42
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	10	0.42
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	10	0.42
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	6	0.42
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	6	0.42
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	6	0.42
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	9	0.41
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	4	0.41
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	4	0.41
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	4	0.41
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	4	0.41
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	12	0.41
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	12	0.41
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	12	0.41
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	12	0.41
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	12	0.41
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	12	0.41
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	12	0.41
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	12	0.41
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	8	0.41
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	8	0.41
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	10	0.41
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	13	0.41
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	13	0.41
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	15	0.41
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	15	0.41
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	20	0.41
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	20	0.41
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	6	0.41
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	6	0.41
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	18	0.41
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	18	0.41
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	13	0.41
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	14	0.41
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	14	0.41
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	7	0.41
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	7	0.41
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	7	0.41
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	11	0.41
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	11	0.41
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	3	0.41
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	14	0.41
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	19	0.41
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG2	14	0.41
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG3	14	0.41
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	1	0.41
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	1	0.41
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	18	0.41
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	18	0.41
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	11	0.41
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	11	0.41
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	11	0.41
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	11	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	2	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	2	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	7	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	7	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	9	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	9	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	10	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	10	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	11	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	11	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	14	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	14	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	16	0.41
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	16	0.41
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	15	0.41
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	3	0.41
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	3	0.41
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	3	0.41
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	5	0.41
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	5	0.41
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	5	0.41
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	20	0.41
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	20	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	2	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	2	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	5	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	5	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	9	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	9	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	10	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	10	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	15	0.41
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	15	0.41
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	2	0.41
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	2	0.41
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	2	0.41
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	2	0.41
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	2	0.41
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	2	0.41
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	3	0.41
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	3	0.41
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	3	0.41
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	3	0.41
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	4	0.41
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	4	0.41
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	4	0.41
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	2	0.41
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	2	0.41
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	0.41
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	2	0.41
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	2	0.41
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	2	0.41
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	1	0.41
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	1	0.41
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	1	0.41
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	1	0.41
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	16	0.41
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	16	0.41
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	16	0.41
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	16	0.41
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	6	0.41
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	3	0.41
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	3	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	2	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	3	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	5	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	6	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	7	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	9	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	10	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	11	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	12	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	13	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	14	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	15	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	16	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	18	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	19	0.41
(4,2076)	1:72:A:ILE:HA	1:72:A:ILE:H	20	0.41
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	4	0.41
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	8	0.41
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	14	0.41
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	15	0.41
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	10	0.41
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	11	0.41
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	11	0.41
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	11	0.41
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	11	0.41
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	11	0.41
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	11	0.41
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	11	0.41
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	11	0.41
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	11	0.41
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	11	0.41
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	11	0.41
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	11	0.41
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	11	0.41
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	11	0.41
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	11	0.41
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	11	0.41
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	11	0.41
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	11	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	9	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	9	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	9	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	9	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	9	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	14	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	14	0.41
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	14	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	14	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	14	0.41
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	14	0.41
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	4	0.41
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	4	0.41
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	4	0.41
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	4	0.41
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	4	0.41
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	4	0.41
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	19	0.41
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	19	0.41
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	19	0.41
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	19	0.41
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	19	0.41
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	19	0.41
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	13	0.41
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	13	0.41
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	13	0.41
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	13	0.41
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	7	0.41
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	7	0.41
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	7	0.41
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	7	0.41
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	7	0.41
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	7	0.41
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	7	0.41
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	7	0.41
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	7	0.41
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	7	0.41
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	7	0.41
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	7	0.41
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	7	0.41
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	7	0.41
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	7	0.41
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	7	0.41
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	7	0.41
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	19	0.41
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	19	0.41
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	19	0.41
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	19	0.41
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	19	0.41
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	19	0.41
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	19	0.41
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	19	0.41
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	19	0.41
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	19	0.41
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	19	0.41
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	19	0.41
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	19	0.41
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	19	0.41
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	19	0.41
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	19	0.41
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	19	0.41
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	19	0.41
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	20	0.41
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	20	0.41
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	20	0.41
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	20	0.41
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB2	2	0.41
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB3	2	0.41
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB2	2	0.41
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB3	2	0.41
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB2	2	0.41
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB3	2	0.41
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB2	2	0.41
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB3	2	0.41
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB2	2	0.41
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB3	2	0.41
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB2	2	0.41
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB3	2	0.41
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	3	0.41
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	3	0.41
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	3	0.41
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	3	0.41
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	13	0.41
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	10	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	2	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	2	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	2	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	2	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	5	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	5	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	5	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	5	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	7	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	7	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	7	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	7	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	8	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	8	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	8	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	8	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	9	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	9	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	9	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	9	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	12	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	12	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	12	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	12	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	14	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	14	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	14	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	14	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	15	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	15	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	15	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	15	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	19	0.41
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	19	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	19	0.41
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	19	0.41
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	20	0.41
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	20	0.41
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	8	0.41
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	8	0.41
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	13	0.41
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	3	0.41
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	13	0.41
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	17	0.41
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	4	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	1	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	1	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	1	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	1	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	1	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	1	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	10	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	10	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	10	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	10	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	10	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	10	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	13	0.41
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	13	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	13	0.41
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	13	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	13	0.41
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	13	0.41
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	2	0.41
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	2	0.41
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	2	0.41
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	2	0.41
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	0.41
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	2	0.41
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	2	0.41
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	2	0.41
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	16	0.41
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	16	0.41
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	1	0.41
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	8	0.41
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	13	0.41
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	17	0.41
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	19	0.41
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	19	0.41
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	19	0.41
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	19	0.41
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	19	0.41
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	19	0.41
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	19	0.41
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	17	0.41
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	17	0.41
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	17	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	1	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	1	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	1	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	1	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	1	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	1	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	4	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	4	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	4	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	4	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	4	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	4	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	7	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	7	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	7	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	7	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	7	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	7	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	10	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	10	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	10	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	10	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	10	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	10	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	11	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	11	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	11	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	11	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	11	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	11	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	19	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	19	0.41
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	19	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	19	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	19	0.41
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	4	0.41
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	4	0.41
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	4	0.41
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	13	0.41
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	13	0.41
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	2	0.41
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	8	0.41
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	10	0.41
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	18	0.41
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	1	0.41
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	1	0.41
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	9	0.41
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	9	0.41
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	10	0.41
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	10	0.41
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	13	0.41
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	13	0.41
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	20	0.41
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	20	0.41
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	13	0.4
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	13	0.4
(8,58)	1:110:A:TYR:HE1	1:115:A:HIS:HD2	10	0.4
(8,58)	1:110:A:TYR:HE2	1:115:A:HIS:HD2	10	0.4
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	4	0.4
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	4	0.4
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	5	0.4
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	6	0.4
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	11	0.4
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	15	0.4
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	20	0.4
(6,1320)	1:83:A:ASN:H	1:83:A:ASN:HD21	5	0.4
(6,1320)	1:83:A:ASN:H	1:83:A:ASN:HD22	5	0.4
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	6	0.4
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	6	0.4
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	6	0.4
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	6	0.4
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	2	0.4
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	17	0.4
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	2	0.4
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	2	0.4
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	12	0.4
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	18	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	1	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	2	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	3	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	4	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	10	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	11	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	12	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	15	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	16	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	17	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	18	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	19	0.4
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	20	0.4
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	9	0.4
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	9	0.4
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	13	0.4
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	13	0.4
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	15	0.4
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	2	0.4
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	2	0.4
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	7	0.4
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	7	0.4
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	20	0.4
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	20	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	2	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	2	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	2	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	9	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	9	0.4
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	9	0.4
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	1	0.4
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	6	0.4
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	6	0.4
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	6	0.4
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	11	0.4
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	11	0.4
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	11	0.4
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	8	0.4
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	6	0.4
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	6	0.4
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	8	0.4
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	8	0.4
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	8	0.4
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	8	0.4
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	6	0.4
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	12	0.4
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	12	0.4
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	12	0.4
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	12	0.4
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	20	0.4
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	20	0.4
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	20	0.4
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	20	0.4
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	12	0.4
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	12	0.4
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	12	0.4
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	12	0.4
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	12	0.4
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	12	0.4
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	12	0.4
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	12	0.4
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	12	0.4
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	12	0.4
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	12	0.4
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	12	0.4
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	12	0.4
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	12	0.4
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	20	0.4
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	20	0.4
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	20	0.4
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	20	0.4
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	20	0.4
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	20	0.4
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	20	0.4
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	20	0.4
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	20	0.4
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	20	0.4
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	20	0.4
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	20	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	12	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	12	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	12	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	12	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	12	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	12	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	12	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	12	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	12	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	12	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	12	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	20	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	20	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	20	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	20	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	20	0.4
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	20	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	20	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	20	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	20	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	20	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	20	0.4
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	20	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	1	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	2	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	3	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	4	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	5	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	6	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	7	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	8	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	9	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	10	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	11	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	12	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	13	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	14	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	15	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	16	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	17	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	18	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	19	0.4
(4,3057)	1:36:A:LYS:HD2	1:36:A:LYS:HD3	20	0.4
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	9	0.4
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	9	0.4
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	9	0.4
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	9	0.4
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	9	0.4
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	9	0.4
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	12	0.4
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	17	0.4
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	17	0.4
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	17	0.4
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	19	0.4
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	19	0.4
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	19	0.4
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	20	0.4
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	20	0.4
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	20	0.4
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	4	0.4
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	4	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	1	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	1	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	7	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	7	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	13	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	13	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	14	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	14	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	18	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	18	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	19	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	19	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	20	0.4
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	20	0.4
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	6	0.4
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	6	0.4
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	18	0.4
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	18	0.4
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	4	0.4
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	4	0.4
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	4	0.4
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	4	0.4
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	4	0.4
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	20	0.4
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	20	0.4
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	20	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	1	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	1	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	1	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	1	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	1	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	5	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	5	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	5	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	5	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	5	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	5	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	10	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	10	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	10	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	10	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	10	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	10	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	13	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	13	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	13	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	13	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	13	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	13	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	14	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	14	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	14	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	14	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	14	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	14	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	16	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	16	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	16	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	16	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	16	0.4
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	16	0.4
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	12	0.4
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	12	0.4
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	12	0.4
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	12	0.4
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	12	0.4
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	12	0.4
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	12	0.4
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	12	0.4
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	12	0.4
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	12	0.4
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	12	0.4
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	5	0.4
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	5	0.4
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	5	0.4
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	5	0.4
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	1	0.4
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	9	0.4
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	1	0.4
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	4	0.4
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	5	0.4
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	19	0.4
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	20	0.4
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	5	0.4
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	5	0.4
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	5	0.4
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	5	0.4
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	5	0.4
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	5	0.4
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	7	0.4
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	7	0.4
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	7	0.4
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	7	0.4
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	7	0.4
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	7	0.4
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	2	0.4
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	2	0.4
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	2	0.4
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	2	0.4
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	2	0.4
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	2	0.4
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	2	0.4
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	2	0.4
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	8	0.4
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	8	0.4
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	8	0.4
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	10	0.4
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	10	0.4
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	10	0.4
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	10	0.4
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	20	0.4
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	20	0.4
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	20	0.4
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	20	0.4
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	13	0.4
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	13	0.4
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	13	0.4
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	13	0.4
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	13	0.4
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	13	0.4
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	13	0.4
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	13	0.4
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	13	0.4
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	13	0.4
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	13	0.4
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	13	0.4
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	13	0.4
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	13	0.4
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	13	0.4
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	13	0.4
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	13	0.4
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	13	0.4
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	20	0.4
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	20	0.4
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	20	0.4
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	20	0.4
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	20	0.4
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	20	0.4
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	20	0.4
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	20	0.4
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	20	0.4
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	20	0.4
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	20	0.4
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	20	0.4
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	20	0.4
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	20	0.4
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	20	0.4
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	20	0.4
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	20	0.4
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	8	0.4
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	8	0.4
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	8	0.4
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	8	0.4
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	5	0.4
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	9	0.4
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	14	0.4
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	17	0.4
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	18	0.4
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	19	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	1	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	1	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	1	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	1	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	3	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	3	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	3	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	3	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	11	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	11	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	11	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	11	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	16	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	16	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	16	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	16	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	17	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	17	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	17	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	17	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	18	0.4
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	18	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	18	0.4
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	18	0.4
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	17	0.4
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	18	0.4
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	18	0.4
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	16	0.4
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	16	0.4
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	16	0.4
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	16	0.4
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	16	0.4
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	16	0.4
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	16	0.4
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	16	0.4
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	16	0.4
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	16	0.4
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	16	0.4
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	19	0.4
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	19	0.4
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	19	0.4
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	19	0.4
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	19	0.4
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	19	0.4
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	19	0.4
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	19	0.4
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	19	0.4
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	19	0.4
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	19	0.4
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	19	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	1	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	2	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	3	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	5	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	8	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	9	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	10	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	11	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	12	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	14	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	15	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	17	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	19	0.4
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	20	0.4
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	12	0.4
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	12	0.4
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	12	0.4
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	12	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	5	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	8	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	10	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	11	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	12	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	13	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	14	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	15	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	16	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	17	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	19	0.4
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	20	0.4
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	12	0.4
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	12	0.4
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	12	0.4
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	12	0.4
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	12	0.4
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	12	0.4
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	17	0.4
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	17	0.4
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	17	0.4
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	17	0.4
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	17	0.4
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	17	0.4
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG2	17	0.4
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG3	17	0.4
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	1	0.4
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	1	0.4
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	12	0.4
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	12	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	1	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	1	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	1	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	1	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	1	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	5	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	5	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	5	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	5	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	5	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	10	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	10	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	10	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	10	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	10	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	10	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	13	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	13	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	13	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	13	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	13	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	13	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	14	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	14	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	14	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	14	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	14	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	14	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	16	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	16	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	16	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	16	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	16	0.4
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	16	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	2	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	3	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	4	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	6	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	7	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	9	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	10	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	12	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	15	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	16	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	19	0.4
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	20	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	9	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	10	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	11	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	12	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	13	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	17	0.4
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	19	0.4
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	8	0.4
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	8	0.4
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	8	0.4
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	17	0.4
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	17	0.4
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	17	0.4
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	17	0.4
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	17	0.4
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	17	0.4
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	20	0.4
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	20	0.4
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	20	0.4
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	20	0.4
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	20	0.4
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	20	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	1	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	2	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	3	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	4	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	5	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	6	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	8	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	12	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	15	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	16	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	17	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	18	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	19	0.4
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	20	0.4
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	19	0.4
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	19	0.4
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	20	0.4
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	20	0.4
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	4	0.4
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	4	0.4
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	7	0.4
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	9	0.4
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	11	0.4
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	16	0.4
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	6	0.4
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	13	0.4
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	13	0.4
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	13	0.4
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	13	0.4
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	4	0.4
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	4	0.4
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	6	0.4
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	6	0.4
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	19	0.39
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	19	0.39
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	6	0.39
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	6	0.39
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	6	0.39
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	6	0.39
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	8	0.39
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	8	0.39
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	8	0.39
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	8	0.39
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	20	0.39
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	1	0.39
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	1	0.39
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	1	0.39
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	1	0.39
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	9	0.39
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	9	0.39
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	9	0.39
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	9	0.39
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	16	0.39
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	16	0.39
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	16	0.39
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	9	0.39
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	9	0.39
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	2	0.39
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	2	0.39
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	18	0.39
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	3	0.39
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	3	0.39
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	16	0.39
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	16	0.39
(6,911)	1:55:A:LEU:HB2	1:55:A:LEU:H	4	0.39
(6,911)	1:55:A:LEU:HB3	1:55:A:LEU:H	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	5	0.39
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	6	0.39
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	7	0.39
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	8	0.39
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	9	0.39
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	13	0.39
(6,733)	1:88:A:PHE:H	1:88:A:PHE:HA	14	0.39
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	7	0.39
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	15	0.39
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	15	0.39
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	19	0.39
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	19	0.39
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	3	0.39
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	2	0.39
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	2	0.39
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	2	0.39
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	18	0.39
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	1	0.39
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	2	0.39
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	11	0.39
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	11	0.39
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	12	0.39
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	12	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	1	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	2	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	3	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	4	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	5	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	7	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	8	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	9	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	10	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	11	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	12	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	13	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	14	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	15	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	16	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	17	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	18	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	19	0.39
(4,3166)	1:37:A:PRO:HD3	1:37:A:PRO:HD2	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	1	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	1	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	1	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	1	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	2	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	2	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	2	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	2	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	6	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	6	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	6	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	6	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	10	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	10	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	10	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	10	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	15	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	15	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	15	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	15	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	16	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	16	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	16	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	16	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	18	0.39
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	18	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	18	0.39
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	18	0.39
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	8	0.39
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	8	0.39
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	5	0.39
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	5	0.39
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	5	0.39
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	5	0.39
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	5	0.39
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	5	0.39
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	5	0.39
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	5	0.39
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	5	0.39
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	5	0.39
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	5	0.39
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	10	0.39
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	10	0.39
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	10	0.39
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	10	0.39
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	10	0.39
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	10	0.39
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	10	0.39
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	10	0.39
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	10	0.39
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	10	0.39
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	10	0.39
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	10	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	5	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	5	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	5	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	5	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	5	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	5	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	5	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	5	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	5	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	5	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	5	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	5	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	10	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	10	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	10	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	10	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	10	0.39
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	10	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	10	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	10	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	10	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	10	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	10	0.39
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	10	0.39
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	5	0.39
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	9	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	1	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	2	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	3	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	5	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	6	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	8	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	9	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	10	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	14	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	15	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	16	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	17	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	18	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	19	0.39
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	20	0.39
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	2	0.39
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	2	0.39
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	2	0.39
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	7	0.39
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	7	0.39
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	7	0.39
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	9	0.39
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	9	0.39
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	9	0.39
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	14	0.39
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	14	0.39
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	14	0.39
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	15	0.39
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	15	0.39
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	15	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	1	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	1	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	1	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	1	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	1	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	1	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	2	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	2	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	2	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	2	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	2	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	2	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	4	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	4	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	4	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	4	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	4	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	5	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	5	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	5	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	5	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	5	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	5	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	6	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	6	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	6	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	6	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	6	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	6	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	7	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	7	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	7	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	7	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	7	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	7	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	8	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	8	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	8	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	8	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	8	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	8	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	9	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	9	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	9	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	9	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	9	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	9	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	10	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	10	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	10	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	10	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	10	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	10	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	11	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	11	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	11	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	11	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	11	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	13	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	13	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	13	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	13	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	13	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	13	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	14	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	14	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	14	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	14	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	14	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	14	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	15	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	15	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	15	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	15	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	15	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	15	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	17	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	17	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	17	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	17	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	17	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	17	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	18	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	18	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	18	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	18	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	18	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	18	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	19	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	19	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	19	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	19	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	19	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	19	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	20	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	20	0.39
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	20	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	20	0.39
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	20	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	3	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	3	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	6	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	6	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	11	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	11	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	17	0.39
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	17	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	6	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	6	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	6	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	6	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	6	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	6	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	11	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	11	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	11	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	11	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	11	0.39
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	11	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	1	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	1	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	3	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	3	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	13	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	13	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	14	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	14	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	15	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	15	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	16	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	16	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	17	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	17	0.39
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	20	0.39
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	20	0.39
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	14	0.39
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	14	0.39
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	14	0.39
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	14	0.39
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	14	0.39
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	13	0.39
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	13	0.39
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	13	0.39
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	11	0.39
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	11	0.39
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	11	0.39
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	11	0.39
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	11	0.39
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	11	0.39
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	11	0.39
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	11	0.39
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	11	0.39
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	11	0.39
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	11	0.39
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	11	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	3	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	3	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	3	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	3	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	3	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	3	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	4	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	4	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	4	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	4	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	4	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	4	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	6	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	6	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	6	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	6	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	6	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	15	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	15	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	15	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	15	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	15	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	18	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	18	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	18	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	18	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	18	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	18	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	0.39
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	0.39
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	14	0.39
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	14	0.39
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	14	0.39
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	14	0.39
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	14	0.39
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	14	0.39
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	14	0.39
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	14	0.39
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	14	0.39
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	14	0.39
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	14	0.39
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	14	0.39
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	18	0.39
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	18	0.39
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	18	0.39
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	18	0.39
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	18	0.39
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	18	0.39
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	18	0.39
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	18	0.39
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	18	0.39
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	18	0.39
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	18	0.39
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	18	0.39
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	18	0.39
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	18	0.39
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	18	0.39
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	18	0.39
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	18	0.39
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	17	0.39
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	17	0.39
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	17	0.39
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	20	0.39
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	20	0.39
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	20	0.39
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	17	0.39
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	4	0.39
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	4	0.39
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	4	0.39
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	4	0.39
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	4	0.39
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	4	0.39
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	4	0.39
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	4	0.39
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	4	0.39
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	4	0.39
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	4	0.39
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	4	0.39
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	4	0.39
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	4	0.39
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	4	0.39
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	4	0.39
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	4	0.39
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	4	0.39
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	7	0.39
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	7	0.39
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	7	0.39
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	7	0.39
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	7	0.39
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	7	0.39
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	14	0.39
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	4	0.39
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	14	0.39
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	14	0.39
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	14	0.39
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	14	0.39
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	14	0.39
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	14	0.39
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	14	0.39
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	14	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	10	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	10	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	10	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	10	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	10	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	20	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	20	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	20	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	20	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	20	0.39
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	20	0.39
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	15	0.39
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	15	0.39
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	15	0.39
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	15	0.39
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	15	0.39
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	15	0.39
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	15	0.39
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	15	0.39
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	15	0.39
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	15	0.39
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	15	0.39
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	15	0.39
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	15	0.39
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	15	0.39
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	15	0.39
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	15	0.39
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	15	0.39
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	15	0.39
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	3	0.39
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	6	0.39
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	4	0.39
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	4	0.39
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	4	0.39
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	4	0.39
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	6	0.39
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	6	0.39
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	6	0.39
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	6	0.39
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	6	0.39
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	15	0.39
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	10	0.39
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	10	0.39
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	2	0.39
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	4	0.39
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	6	0.39
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	14	0.39
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	17	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	1	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	1	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	1	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	1	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	5	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	5	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	5	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	5	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	9	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	9	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	9	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	9	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	12	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	12	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	12	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	12	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	14	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	14	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	14	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	14	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	15	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	15	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	15	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	15	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	19	0.39
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	19	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	19	0.39
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	19	0.39
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	2	0.39
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	2	0.39
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	14	0.39
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	14	0.39
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	14	0.39
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	14	0.39
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	14	0.39
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	14	0.39
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	14	0.39
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	14	0.39
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	14	0.39
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	14	0.39
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	14	0.39
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	2	0.39
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	6	0.39
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	7	0.39
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	13	0.39
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	16	0.39
(4,968)	1:124:A:LEU:HB2	1:124:A:LEU:HB3	18	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	1	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	2	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	4	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	6	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	7	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	9	0.39
(4,921)	1:116:A:GLU:HB2	1:116:A:GLU:HB3	18	0.39
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	11	0.39
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	11	0.39
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	11	0.39
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	11	0.39
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	11	0.39
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	11	0.39
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	15	0.39
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	15	0.39
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	15	0.39
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	15	0.39
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	15	0.39
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	15	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	1	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	3	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	5	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	7	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	10	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	11	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	12	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	13	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	16	0.39
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	20	0.39
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	13	0.39
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	13	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	1	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	2	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	3	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	5	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	6	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	7	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	8	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	9	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	10	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	11	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	13	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	15	0.39
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	17	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	3	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	3	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	3	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	3	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	3	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	3	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	4	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	4	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	4	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	4	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	4	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	4	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	6	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	6	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	6	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	6	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	6	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	15	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	15	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	15	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	15	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	15	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	15	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	18	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	18	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	18	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	18	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	18	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	0.39
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	3	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	3	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	3	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	3	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	3	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	3	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	4	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	4	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	4	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	4	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	4	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	4	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	5	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	5	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	5	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	5	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	5	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	5	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	6	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	6	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	6	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	6	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	6	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	6	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	7	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	7	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	7	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	7	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	7	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	7	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	10	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	10	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	10	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	10	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	10	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	12	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	12	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	12	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	12	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	12	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	12	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	13	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	13	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	13	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	13	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	13	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	13	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	14	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	14	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	14	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	14	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	14	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	14	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	15	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	15	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	15	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	15	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	15	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	15	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	16	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	16	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	16	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	16	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	16	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	16	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	17	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	17	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	17	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	17	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	17	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	17	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	18	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	18	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	18	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	18	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	18	0.39
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	20	0.39
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	20	0.39
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	20	0.39
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	20	0.39
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	20	0.39
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	20	0.39
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	20	0.39
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	20	0.39
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	11	0.39
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	14	0.39
(4,728)	1:72:A:ILE:HA	1:72:A:ILE:HB	18	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	1	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	2	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	3	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	4	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	5	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	6	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	7	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	8	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	14	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	15	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	18	0.39
(4,675)	1:78:A:ASP:HB3	1:78:A:ASP:HB2	20	0.39
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	16	0.39
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	16	0.39
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	16	0.39
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	16	0.39
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	16	0.39
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	16	0.39
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	16	0.39
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	16	0.39
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	7	0.39
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	7	0.39
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	7	0.39
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	16	0.39
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	16	0.39
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	16	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	3	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	3	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	3	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	3	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	3	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	8	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	8	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	8	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	8	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	8	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	8	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	9	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	9	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	9	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	9	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	9	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	9	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	16	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	16	0.39
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	16	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	16	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	16	0.39
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	16	0.39
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	7	0.39
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	9	0.39
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	10	0.39
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	11	0.39
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	13	0.39
(4,495)	1:44:A:PHE:HB2	1:44:A:PHE:HB3	14	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	1	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	2	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	3	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	5	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	6	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	7	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	8	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	9	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	10	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	11	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	12	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	13	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	15	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	16	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	17	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	18	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	19	0.39
(4,480)	1:40:A:ASP:HB2	1:40:A:ASP:HB3	20	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	1	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	2	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	3	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	5	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	6	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	7	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	8	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	9	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	10	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	11	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	12	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	13	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	14	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	15	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	16	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	17	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	18	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	19	0.39
(4,479)	1:40:A:ASP:HB3	1:40:A:ASP:HB2	20	0.39
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	1	0.39
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	3	0.39
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	13	0.39
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	19	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	5	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	5	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	5	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	5	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	8	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	8	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	8	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	8	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	14	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	14	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	14	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	14	0.39
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	18	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	18	0.39
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	18	0.39
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	15	0.39
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	10	0.38
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	10	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	1	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	1	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	1	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	1	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	2	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	2	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	2	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	2	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	3	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	3	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	3	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	3	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	4	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	4	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	4	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	4	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	5	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	5	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	5	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	5	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	7	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	7	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	7	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	7	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	9	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	9	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	9	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	9	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	10	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	10	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	10	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	10	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	11	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	11	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	11	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	12	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	12	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	12	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	12	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	13	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	13	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	13	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	13	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	14	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	14	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	14	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	14	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	15	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	15	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	15	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	15	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	16	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	16	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	16	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	16	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	17	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	17	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	17	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	17	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	18	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	18	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	18	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	18	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	19	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	19	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	19	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	19	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD1	20	0.38
(8,17)	1:15:A:TYR:HE1	1:15:A:TYR:HD2	20	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD1	20	0.38
(8,17)	1:15:A:TYR:HE2	1:15:A:TYR:HD2	20	0.38
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	1	0.38
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	1	0.38
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	12	0.38
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	12	0.38
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	19	0.38
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	17	0.38
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	2	0.38
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	2	0.38
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	2	0.38
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	2	0.38
(6,1149)	1:9:A:LYS:HG2	1:9:A:LYS:H	7	0.38
(6,1149)	1:9:A:LYS:HG3	1:9:A:LYS:H	7	0.38
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	2	0.38
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	2	0.38
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	2	0.38
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	6	0.38
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	6	0.38
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	6	0.38
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	9	0.38
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	9	0.38
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	9	0.38
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	10	0.38
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	10	0.38
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	10	0.38
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	13	0.38
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	13	0.38
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	13	0.38
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	20	0.38
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	20	0.38
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	20	0.38
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	8	0.38
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	8	0.38
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	16	0.38
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	16	0.38
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	4	0.38
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	4	0.38
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	9	0.38
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	9	0.38
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	20	0.38
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	20	0.38
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	16	0.38
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	16	0.38
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB2	18	0.38
(6,437)	1:124:A:LEU:H	1:124:A:LEU:HB3	18	0.38
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	18	0.38
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	18	0.38
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	10	0.38
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	10	0.38
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	10	0.38
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	16	0.38
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	16	0.38
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	16	0.38
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	19	0.38
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	19	0.38
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	19	0.38
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	20	0.38
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	11	0.38
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	11	0.38
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	12	0.38
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	12	0.38
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	2	0.38
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	2	0.38
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	2	0.38
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	12	0.38
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	1	0.38
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	1	0.38
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	1	0.38
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	1	0.38
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	10	0.38
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	10	0.38
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	10	0.38
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	10	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	5	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	5	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	5	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	5	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	9	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	9	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	9	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	9	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	11	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	11	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	11	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	11	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	12	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	12	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	12	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	14	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	14	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	14	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	14	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	17	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	17	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	17	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	17	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	19	0.38
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	19	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	19	0.38
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	19	0.38
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	1	0.38
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	1	0.38
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	1	0.38
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	1	0.38
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	1	0.38
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	1	0.38
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	1	0.38
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	1	0.38
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	1	0.38
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	1	0.38
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	1	0.38
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	1	0.38
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	9	0.38
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	9	0.38
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	9	0.38
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	9	0.38
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	9	0.38
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	9	0.38
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	9	0.38
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	9	0.38
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	9	0.38
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	9	0.38
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	9	0.38
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	9	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	1	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	1	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	1	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	1	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	1	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	1	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	1	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	1	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	1	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	1	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	1	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	9	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	9	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	9	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	9	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	9	0.38
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	9	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	9	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	9	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	9	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	9	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	9	0.38
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	9	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	2	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	2	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	2	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	2	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	2	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	2	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	3	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	3	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	3	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	3	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	3	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	3	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	4	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	4	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	4	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	4	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	4	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	4	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	7	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	7	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	7	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	7	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	7	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	8	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	8	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	8	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	8	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	8	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	8	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	11	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	11	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	11	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	11	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	11	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	11	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	12	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	12	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	12	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	12	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	12	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	12	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	13	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	13	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	13	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	13	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	13	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	13	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	16	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	16	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	16	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	16	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	16	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	16	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	18	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	18	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	18	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	18	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	18	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	18	0.38
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	19	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	19	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	19	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	19	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	19	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	20	0.38
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	20	0.38
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	20	0.38
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	20	0.38
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	20	0.38
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	20	0.38
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	7	0.38
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	11	0.38
(4,2856)	1:135:A:PHE:H	1:135:A:PHE:HA	13	0.38
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	3	0.38
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	3	0.38
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	3	0.38
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	3	0.38
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	3	0.38
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	3	0.38
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	6	0.38
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	6	0.38
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	6	0.38
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	6	0.38
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	6	0.38
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	6	0.38
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	4	0.38
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	4	0.38
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	4	0.38
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	10	0.38
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	10	0.38
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	10	0.38
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	16	0.38
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	16	0.38
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	16	0.38
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	3	0.38
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	3	0.38
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	3	0.38
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	10	0.38
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	10	0.38
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	10	0.38
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	19	0.38
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	19	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	3	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	3	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	3	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	3	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	3	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	12	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	12	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	12	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	12	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	12	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	12	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD11	16	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD12	16	0.38
(4,2706)	1:128:A:ILE:HG12	1:128:A:ILE:HD13	16	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD11	16	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD12	16	0.38
(4,2706)	1:128:A:ILE:HG13	1:128:A:ILE:HD13	16	0.38
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	8	0.38
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	8	0.38
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	16	0.38
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	16	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	2	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	2	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	2	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	2	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	2	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	2	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	14	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	14	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	14	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	14	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	14	0.38
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	14	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	4	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	4	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	5	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	5	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	7	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	7	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	8	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	8	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	10	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	10	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	11	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	12	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	12	0.38
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	19	0.38
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	19	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	1	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	1	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	1	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	1	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	1	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	1	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	6	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	6	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	6	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	6	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	6	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	6	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	16	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	16	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	16	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	16	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	16	0.38
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	16	0.38
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	2	0.38
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	2	0.38
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	2	0.38
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	2	0.38
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	12	0.38
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	12	0.38
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	12	0.38
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	12	0.38
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	15	0.38
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	15	0.38
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	15	0.38
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	15	0.38
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	15	0.38
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	15	0.38
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	9	0.38
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	9	0.38
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	9	0.38
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	12	0.38
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	12	0.38
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	12	0.38
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	12	0.38
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	12	0.38
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	14	0.38
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	14	0.38
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	14	0.38
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	14	0.38
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	14	0.38
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	14	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	1	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	1	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	1	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	1	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	1	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	1	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	2	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	2	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	2	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	2	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	2	0.38
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	2	0.38
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	3	0.38
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	18	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	5	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	5	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	5	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	5	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	5	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	5	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	9	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	9	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	9	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	9	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	9	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	9	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	13	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	13	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	13	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	13	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	13	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	13	0.38
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	19	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	19	0.38
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	19	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	19	0.38
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	19	0.38
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	8	0.38
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	8	0.38
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	8	0.38
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	14	0.38
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	14	0.38
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	14	0.38
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	4	0.38
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	3	0.38
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	7	0.38
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	10	0.38
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	16	0.38
(4,1954)	1:64:A:ARG:HG2	1:63:A:TYR:HA	15	0.38
(4,1954)	1:64:A:ARG:HG3	1:63:A:TYR:HA	15	0.38
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	6	0.38
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	6	0.38
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	8	0.38
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	8	0.38
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	9	0.38
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	9	0.38
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	11	0.38
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	11	0.38
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	14	0.38
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	14	0.38
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	14	0.38
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	14	0.38
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	14	0.38
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	14	0.38
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	1	0.38
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	1	0.38
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	1	0.38
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	1	0.38
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	1	0.38
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	1	0.38
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	11	0.38
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	4	0.38
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	4	0.38
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	4	0.38
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	4	0.38
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	4	0.38
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	4	0.38
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	4	0.38
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	4	0.38
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	4	0.38
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	4	0.38
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	4	0.38
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	4	0.38
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	4	0.38
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	4	0.38
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	4	0.38
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	4	0.38
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	4	0.38
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	4	0.38
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	4	0.38
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	4	0.38
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	4	0.38
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	4	0.38
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	4	0.38
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	12	0.38
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	12	0.38
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	12	0.38
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	12	0.38
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	12	0.38
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	12	0.38
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	12	0.38
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	12	0.38
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	12	0.38
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	12	0.38
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	12	0.38
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	12	0.38
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	12	0.38
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	12	0.38
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	12	0.38
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	12	0.38
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	12	0.38
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	12	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	4	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	4	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	4	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	4	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	4	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	6	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	6	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	6	0.38
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	6	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	6	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	6	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	8	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	8	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	8	0.38
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	8	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	8	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	8	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	9	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	9	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	9	0.38
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	9	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	9	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	9	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	10	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	10	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	10	0.38
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	10	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	10	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	10	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	13	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	13	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	13	0.38
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	13	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	13	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	13	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	15	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	15	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	15	0.38
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	15	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	15	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	15	0.38
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	19	0.38
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	19	0.38
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	19	0.38
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	19	0.38
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	19	0.38
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	4	0.38
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	8	0.38
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	12	0.38
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	16	0.38
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	10	0.38
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	10	0.38
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	10	0.38
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	10	0.38
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	13	0.38
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	13	0.38
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	13	0.38
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	13	0.38
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG2	20	0.38
(4,1263)	1:11:A:MET:HB2	1:11:A:MET:HG3	20	0.38
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG2	20	0.38
(4,1263)	1:11:A:MET:HB3	1:11:A:MET:HG3	20	0.38
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	10	0.38
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	10	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	5	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	8	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	11	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	12	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	13	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	15	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	19	0.38
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	20	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	2	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	2	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	2	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	2	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	3	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	3	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	3	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	3	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	4	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	4	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	4	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	4	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	7	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	7	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	7	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	10	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	10	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	10	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	10	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	13	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	13	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	13	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	13	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	17	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	17	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	17	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	17	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG2	20	0.38
(4,1180)	1:5:A:GLU:HB2	1:5:A:GLU:HG3	20	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG2	20	0.38
(4,1180)	1:5:A:GLU:HB3	1:5:A:GLU:HG3	20	0.38
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	10	0.38
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	10	0.38
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	12	0.38
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	12	0.38
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	20	0.38
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	20	0.38
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	5	0.38
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	5	0.38
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	20	0.38
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	20	0.38
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	20	0.38
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	20	0.38
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	20	0.38
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	20	0.38
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	20	0.38
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	20	0.38
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	20	0.38
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	20	0.38
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	20	0.38
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	20	0.38
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	6	0.38
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	6	0.38
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	6	0.38
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	6	0.38
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	6	0.38
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	14	0.38
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	14	0.38
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	14	0.38
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	14	0.38
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	14	0.38
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	14	0.38
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	2	0.38
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	2	0.38
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	2	0.38
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	16	0.38
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	16	0.38
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	16	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	2	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	4	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	6	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	8	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	9	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	14	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	15	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	17	0.38
(4,879)	1:104:A:ASP:HB3	1:104:A:ASP:HB2	18	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	4	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	12	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	14	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	16	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	18	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	19	0.38
(4,782)	1:91:A:PRO:HB3	1:91:A:PRO:HB2	20	0.38
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	12	0.38
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	12	0.38
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	12	0.38
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	12	0.38
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	12	0.38
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	12	0.38
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	1	0.38
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	1	0.38
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	1	0.38
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	1	0.38
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	1	0.38
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	2	0.38
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	2	0.38
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	2	0.38
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	2	0.38
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	2	0.38
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	2	0.38
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	8	0.38
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	8	0.38
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	8	0.38
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	8	0.38
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	8	0.38
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	8	0.38
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	9	0.38
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	9	0.38
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	9	0.38
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	9	0.38
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	9	0.38
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	9	0.38
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	11	0.38
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	11	0.38
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	11	0.38
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	11	0.38
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	11	0.38
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	11	0.38
(4,777)	1:89:A:VAL:HG11	1:89:A:VAL:HB	19	0.38
(4,777)	1:89:A:VAL:HG12	1:89:A:VAL:HB	19	0.38
(4,777)	1:89:A:VAL:HG13	1:89:A:VAL:HB	19	0.38
(4,777)	1:89:A:VAL:HG21	1:89:A:VAL:HB	19	0.38
(4,777)	1:89:A:VAL:HG22	1:89:A:VAL:HB	19	0.38
(4,777)	1:89:A:VAL:HG23	1:89:A:VAL:HB	19	0.38
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	3	0.38
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	3	0.38
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	10	0.38
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	10	0.38
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	2	0.38
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	2	0.38
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	2	0.38
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	2	0.38
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	2	0.38
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	2	0.38
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	14	0.38
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	14	0.38
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	14	0.38
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	14	0.38
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	14	0.38
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	17	0.38
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	18	0.38
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	18	0.38
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	6	0.38
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	6	0.38
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	6	0.38
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	6	0.38
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	17	0.38
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	17	0.38
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	17	0.38
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	17	0.38
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	8	0.38
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	8	0.38
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	8	0.38
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	17	0.38
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	17	0.38
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	17	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	2	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	2	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	2	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	2	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	2	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	2	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	6	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	6	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	6	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	6	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	6	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	6	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	7	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	7	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	7	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	7	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	7	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	7	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	12	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	12	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	12	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	12	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	12	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	13	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	13	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	13	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	13	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	13	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	13	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	15	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	15	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	15	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	15	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	15	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	15	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	19	0.38
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	19	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	19	0.38
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	19	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	19	0.38
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	19	0.38
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	7	0.37
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	7	0.37
(8,34)	1:110:A:TYR:HD1	1:115:A:HIS:HE1	10	0.37
(8,34)	1:110:A:TYR:HD2	1:115:A:HIS:HE1	10	0.37
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	12	0.37
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	18	0.37
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	18	0.37
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	18	0.37
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	18	0.37
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	7	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	1	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	1	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	1	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	3	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	3	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	3	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	5	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	5	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	5	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	11	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	11	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	14	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	14	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	14	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	17	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	17	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	17	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	18	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	18	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	18	0.37
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	19	0.37
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	19	0.37
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	19	0.37
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	16	0.37
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	16	0.37
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	7	0.37
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	7	0.37
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	5	0.37
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	5	0.37
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	11	0.37
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	11	0.37
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	11	0.37
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	15	0.37
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	19	0.37
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	14	0.37
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	14	0.37
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	9	0.37
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	19	0.37
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	20	0.37
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	17	0.37
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	17	0.37
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	17	0.37
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	8	0.37
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	8	0.37
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	8	0.37
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	1	0.37
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	2	0.37
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	4	0.37
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	4	0.37
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	6	0.37
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	10	0.37
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	10	0.37
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	6	0.37
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	6	0.37
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	13	0.37
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	13	0.37
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	4	0.37
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	4	0.37
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	4	0.37
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	4	0.37
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	5	0.37
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	5	0.37
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	5	0.37
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	5	0.37
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	14	0.37
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	14	0.37
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	14	0.37
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	14	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	3	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	3	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	3	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	3	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	4	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	4	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	4	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	4	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	7	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	7	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	7	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	7	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	8	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	8	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	8	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	8	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD2	13	0.37
(4,3103)	1:145:A:PRO:HG2	1:145:A:PRO:HD3	13	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD2	13	0.37
(4,3103)	1:145:A:PRO:HG3	1:145:A:PRO:HD3	13	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	1	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	2	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	3	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	5	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	6	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	7	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	8	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	9	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	10	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	11	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	12	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	13	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	14	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	15	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	16	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	17	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	18	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	19	0.37
(4,3071)	1:84:A:PRO:HD2	1:84:A:PRO:HD3	20	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	1	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	2	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	3	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	4	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	5	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	6	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	7	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	8	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	9	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	10	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	11	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	12	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	13	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	14	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	15	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	16	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	17	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	18	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	19	0.37
(4,3070)	1:84:A:PRO:HD3	1:84:A:PRO:HD2	20	0.37
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	5	0.37
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	5	0.37
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	4	0.37
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	4	0.37
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	4	0.37
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	4	0.37
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	4	0.37
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	4	0.37
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	4	0.37
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	4	0.37
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	4	0.37
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	4	0.37
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	4	0.37
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	15	0.37
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	15	0.37
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	15	0.37
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	15	0.37
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	15	0.37
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	15	0.37
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	15	0.37
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	15	0.37
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	15	0.37
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	15	0.37
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	15	0.37
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	15	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	4	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	4	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	4	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	4	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	4	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	4	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	4	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	4	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	4	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	4	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	4	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	4	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	15	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	15	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	15	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	15	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	15	0.37
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	15	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	15	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	15	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	15	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	15	0.37
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	15	0.37
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	3	0.37
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	3	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	1	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	1	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	1	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	1	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	1	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	1	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	5	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	5	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	5	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	5	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	5	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	5	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	6	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	6	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	6	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	6	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	6	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	6	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	9	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	9	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	9	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	9	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	9	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	9	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	10	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	10	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	10	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	10	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	10	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	10	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	14	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	14	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	14	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	14	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	14	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	14	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	15	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	15	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	15	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	15	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	15	0.37
(4,2883)	1:141:A:VAL:HG11	1:141:A:VAL:HB	17	0.37
(4,2883)	1:141:A:VAL:HG12	1:141:A:VAL:HB	17	0.37
(4,2883)	1:141:A:VAL:HG13	1:141:A:VAL:HB	17	0.37
(4,2883)	1:141:A:VAL:HG21	1:141:A:VAL:HB	17	0.37
(4,2883)	1:141:A:VAL:HG22	1:141:A:VAL:HB	17	0.37
(4,2883)	1:141:A:VAL:HG23	1:141:A:VAL:HB	17	0.37
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	4	0.37
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	13	0.37
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	4	0.37
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	4	0.37
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	4	0.37
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	4	0.37
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	4	0.37
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	4	0.37
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	14	0.37
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	14	0.37
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	14	0.37
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	18	0.37
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	18	0.37
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	18	0.37
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	18	0.37
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	18	0.37
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	18	0.37
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	7	0.37
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	7	0.37
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	8	0.37
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	8	0.37
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	13	0.37
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	13	0.37
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	14	0.37
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	14	0.37
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	16	0.37
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	16	0.37
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG12	12	0.37
(4,2696)	1:128:A:ILE:H	1:128:A:ILE:HG13	12	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	3	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	3	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	3	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	3	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	3	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	8	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	8	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	8	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	8	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	8	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	8	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	17	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	17	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	17	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	17	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	17	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	17	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	19	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	19	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	19	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	19	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	19	0.37
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	19	0.37
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	2	0.37
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	2	0.37
(4,2544)	1:114:A:LEU:HB2	1:114:A:LEU:HA	9	0.37
(4,2544)	1:114:A:LEU:HB3	1:114:A:LEU:HA	9	0.37
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	19	0.37
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	19	0.37
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	19	0.37
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	19	0.37
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	19	0.37
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	19	0.37
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	18	0.37
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	19	0.37
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	8	0.37
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	8	0.37
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	8	0.37
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	8	0.37
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	3	0.37
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	3	0.37
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	3	0.37
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	3	0.37
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	3	0.37
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	3	0.37
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	3	0.37
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	3	0.37
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	3	0.37
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	3	0.37
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	3	0.37
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	19	0.37
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	19	0.37
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	19	0.37
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	19	0.37
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	19	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	3	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	3	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	3	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	3	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	3	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	3	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	6	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	6	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	6	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	6	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	6	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	6	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	7	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	7	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	7	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	7	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	7	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	7	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	14	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	14	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	14	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	14	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	14	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	14	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	17	0.37
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	17	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	17	0.37
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	17	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	17	0.37
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	11	0.37
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	11	0.37
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	11	0.37
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	2	0.37
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	6	0.37
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	20	0.37
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	2	0.37
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	18	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	1	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	1	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	1	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	1	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	1	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	1	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	2	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	2	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	2	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	2	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	2	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	2	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	3	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	3	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	3	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	3	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	3	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	3	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	5	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	5	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	5	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	5	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	5	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	5	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	6	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	6	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	6	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	6	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	6	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	6	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	7	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	7	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	7	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	7	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	7	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	8	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	8	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	8	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	8	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	8	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	8	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	9	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	9	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	9	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	9	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	9	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	9	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	10	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	10	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	10	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	10	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	10	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	10	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	11	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	11	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	11	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	11	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	11	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	11	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	12	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	12	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	12	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	12	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	12	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	12	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	14	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	14	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	14	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	14	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	14	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	14	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	15	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	15	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	15	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	15	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	15	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	16	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	16	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	16	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	16	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	16	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	16	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	17	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	17	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	17	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	17	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	17	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	17	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	18	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	18	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	18	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	18	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	18	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	18	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	19	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	19	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	19	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	19	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	19	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	19	0.37
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	20	0.37
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	20	0.37
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	20	0.37
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	20	0.37
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	20	0.37
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	20	0.37
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	18	0.37
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	14	0.37
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	14	0.37
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	3	0.37
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	7	0.37
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	8	0.37
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	9	0.37
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	14	0.37
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	16	0.37
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	16	0.37
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	16	0.37
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	16	0.37
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	16	0.37
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	2	0.37
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	2	0.37
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	2	0.37
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	2	0.37
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	1	0.37
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	1	0.37
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	1	0.37
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	1	0.37
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	1	0.37
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	1	0.37
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	3	0.37
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	3	0.37
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	3	0.37
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	3	0.37
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	3	0.37
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	3	0.37
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	3	0.37
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	3	0.37
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	3	0.37
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	3	0.37
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	3	0.37
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	3	0.37
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	3	0.37
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	3	0.37
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	3	0.37
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	3	0.37
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	3	0.37
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	3	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	1	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	1	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	1	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	1	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	1	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	1	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	2	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	2	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	2	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	2	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	2	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	3	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	3	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	3	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	3	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	3	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	3	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	5	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	5	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	5	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	5	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	5	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	5	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	7	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	7	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	7	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	7	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	7	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	7	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	11	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	11	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	11	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	11	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	11	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	11	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	12	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	12	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	12	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	12	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	12	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	12	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	14	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	14	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	14	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	14	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	14	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	14	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	16	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	16	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	16	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	16	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	16	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	17	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	17	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	17	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	17	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	17	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	17	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	18	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	18	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	18	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	18	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	18	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	18	0.37
(4,1418)	1:20:A:LEU:HD11	1:20:A:LEU:HG	20	0.37
(4,1418)	1:20:A:LEU:HD12	1:20:A:LEU:HG	20	0.37
(4,1418)	1:20:A:LEU:HD13	1:20:A:LEU:HG	20	0.37
(4,1418)	1:20:A:LEU:HD21	1:20:A:LEU:HG	20	0.37
(4,1418)	1:20:A:LEU:HD22	1:20:A:LEU:HG	20	0.37
(4,1418)	1:20:A:LEU:HD23	1:20:A:LEU:HG	20	0.37
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	13	0.37
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	13	0.37
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	13	0.37
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	13	0.37
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	13	0.37
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	13	0.37
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	13	0.37
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	13	0.37
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	13	0.37
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	13	0.37
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	13	0.37
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	13	0.37
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	13	0.37
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	13	0.37
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	13	0.37
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	13	0.37
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	13	0.37
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	13	0.37
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	10	0.37
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	10	0.37
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	10	0.37
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	7	0.37
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	15	0.37
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	10	0.37
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	10	0.37
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	10	0.37
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	10	0.37
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	10	0.37
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	10	0.37
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	10	0.37
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	10	0.37
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	1	0.37
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	7	0.37
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	9	0.37
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	10	0.37
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	16	0.37
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	8	0.37
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	8	0.37
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	17	0.37
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	17	0.37
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	1	0.37
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	1	0.37
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	1	0.37
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	1	0.37
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	1	0.37
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	1	0.37
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	1	0.37
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	1	0.37
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	1	0.37
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	1	0.37
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	1	0.37
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	1	0.37
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	13	0.37
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	13	0.37
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	13	0.37
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	13	0.37
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	13	0.37
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	13	0.37
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	13	0.37
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	13	0.37
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	13	0.37
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	13	0.37
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	13	0.37
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	17	0.37
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	17	0.37
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	17	0.37
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	17	0.37
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	17	0.37
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	17	0.37
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	17	0.37
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	17	0.37
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	17	0.37
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	17	0.37
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	17	0.37
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	17	0.37
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	1	0.37
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	16	0.37
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	3	0.37
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	3	0.37
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	3	0.37
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	3	0.37
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	3	0.37
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	3	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	1	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	1	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	1	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	9	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	9	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	9	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	10	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	10	0.37
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	10	0.37
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	4	0.37
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	4	0.37
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	5	0.37
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	5	0.37
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	16	0.37
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	16	0.37
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	4	0.37
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	4	0.37
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	18	0.37
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	18	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	1	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	2	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	2	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	3	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	3	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	4	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	4	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	5	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	5	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	8	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	8	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	18	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	18	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	20	0.37
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	20	0.37
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	3	0.37
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	3	0.37
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	3	0.37
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	11	0.37
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	11	0.37
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	12	0.37
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	12	0.37
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	20	0.37
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	20	0.37
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	4	0.37
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	5	0.37
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	14	0.37
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	7	0.37
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	7	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	1	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	1	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	1	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	1	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	11	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	11	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	11	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	11	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	15	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	15	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	15	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	15	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	20	0.37
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	20	0.37
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	20	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	1	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	1	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	1	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	1	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	1	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	1	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	3	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	3	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	3	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	3	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	3	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	3	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	4	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	4	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	4	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	4	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	4	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	4	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	5	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	5	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	5	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	5	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	5	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	5	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	8	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	8	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	8	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	8	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	8	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	8	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	9	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	9	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	9	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	9	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	9	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	9	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	10	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	10	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	10	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	10	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	10	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	11	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	11	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	11	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	11	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	11	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	11	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	14	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	14	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	14	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	14	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	14	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	14	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	16	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	16	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	16	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	16	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	16	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	16	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	17	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	17	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	17	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	17	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	17	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	17	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	18	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	18	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	18	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	18	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	18	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	18	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG12	20	0.37
(4,41)	1:72:A:ILE:HD11	1:72:A:ILE:HG13	20	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG12	20	0.37
(4,41)	1:72:A:ILE:HD12	1:72:A:ILE:HG13	20	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG12	20	0.37
(4,41)	1:72:A:ILE:HD13	1:72:A:ILE:HG13	20	0.37
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	10	0.36
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	10	0.36
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	2	0.36
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	8	0.36
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	13	0.36
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	15	0.36
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	1	0.36
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	10	0.36
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	5	0.36
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	5	0.36
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	5	0.36
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	5	0.36
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	3	0.36
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	3	0.36
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	3	0.36
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	3	0.36
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	3	0.36
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	3	0.36
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	6	0.36
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	4	0.36
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	4	0.36
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	4	0.36
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	7	0.36
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	7	0.36
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	7	0.36
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	8	0.36
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	8	0.36
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	8	0.36
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	15	0.36
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	15	0.36
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	15	0.36
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	4	0.36
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	7	0.36
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	15	0.36
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	9	0.36
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	4	0.36
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	4	0.36
(6,911)	1:55:A:LEU:HB2	1:55:A:LEU:H	10	0.36
(6,911)	1:55:A:LEU:HB3	1:55:A:LEU:H	10	0.36
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	6	0.36
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	6	0.36
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	11	0.36
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	11	0.36
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	11	0.36
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	20	0.36
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	20	0.36
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	18	0.36
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	18	0.36
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	17	0.36
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	17	0.36
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	1	0.36
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	19	0.36
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	14	0.36
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	14	0.36
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	14	0.36
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	10	0.36
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	14	0.36
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	15	0.36
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	8	0.36
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	8	0.36
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	8	0.36
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	12	0.36
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	12	0.36
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	12	0.36
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	15	0.36
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	15	0.36
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	15	0.36
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	16	0.36
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	16	0.36
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	16	0.36
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	13	0.36
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	13	0.36
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	13	0.36
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	5	0.36
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	5	0.36
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	9	0.36
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	9	0.36
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	19	0.36
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	19	0.36
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	6	0.36
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	11	0.36
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	15	0.36
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	19	0.36
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	7	0.36
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	9	0.36
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	11	0.36
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	3	0.36
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	3	0.36
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	20	0.36
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	20	0.36
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	20	0.36
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	12	0.36
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	12	0.36
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	12	0.36
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	12	0.36
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	12	0.36
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	12	0.36
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	3	0.36
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	3	0.36
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	3	0.36
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	3	0.36
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	9	0.36
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	9	0.36
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	9	0.36
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	9	0.36
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	20	0.36
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	20	0.36
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	20	0.36
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	20	0.36
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	13	0.36
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	13	0.36
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	1	0.36
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	1	0.36
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	1	0.36
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	1	0.36
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	7	0.36
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	7	0.36
(4,2892)	1:95:A:MET:HG2	1:143:A:SER:HA	20	0.36
(4,2892)	1:95:A:MET:HG3	1:143:A:SER:HA	20	0.36
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	2	0.36
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	10	0.36
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	16	0.36
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	16	0.36
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	16	0.36
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	16	0.36
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	16	0.36
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	8	0.36
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	8	0.36
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	9	0.36
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	9	0.36
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	9	0.36
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	9	0.36
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	9	0.36
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	9	0.36
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	20	0.36
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	20	0.36
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	20	0.36
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	20	0.36
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	20	0.36
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	20	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	3	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	3	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	9	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	9	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	10	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	10	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	11	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	11	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	15	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	15	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	17	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	17	0.36
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	20	0.36
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	20	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	3	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	3	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	3	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	3	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	3	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	3	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	7	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	7	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	7	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	7	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	7	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	7	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	9	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	9	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	9	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	9	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	9	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	11	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	11	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	11	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	11	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	11	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	11	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	12	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	12	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	12	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	12	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	12	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	12	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	17	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	17	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	17	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	17	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	17	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	17	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	18	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	18	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	18	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	18	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	18	0.36
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	18	0.36
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	15	0.36
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	15	0.36
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	2	0.36
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	2	0.36
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	19	0.36
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	19	0.36
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	19	0.36
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	19	0.36
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	19	0.36
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	19	0.36
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	19	0.36
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	19	0.36
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	19	0.36
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	8	0.36
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	8	0.36
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	8	0.36
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	8	0.36
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	8	0.36
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	5	0.36
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	5	0.36
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	5	0.36
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	5	0.36
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	5	0.36
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	5	0.36
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	5	0.36
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	5	0.36
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	5	0.36
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	5	0.36
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	5	0.36
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	5	0.36
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	10	0.36
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	1	0.36
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	1	0.36
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	1	0.36
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	1	0.36
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	1	0.36
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	1	0.36
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	12	0.36
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	12	0.36
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	12	0.36
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	12	0.36
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	12	0.36
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	12	0.36
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	2	0.36
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	2	0.36
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	2	0.36
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	3	0.36
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	17	0.36
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	4	0.36
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	4	0.36
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	4	0.36
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	4	0.36
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	4	0.36
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	4	0.36
(4,1951)	1:61:A:VAL:HG11	1:61:A:VAL:HB	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1951)	1:61:A:VAL:HG12	1:61:A:VAL:HB	13	0.36
(4,1951)	1:61:A:VAL:HG13	1:61:A:VAL:HB	13	0.36
(4,1951)	1:61:A:VAL:HG21	1:61:A:VAL:HB	13	0.36
(4,1951)	1:61:A:VAL:HG22	1:61:A:VAL:HB	13	0.36
(4,1951)	1:61:A:VAL:HG23	1:61:A:VAL:HB	13	0.36
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	1	0.36
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	11	0.36
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	13	0.36
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	15	0.36
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	16	0.36
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	19	0.36
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	2	0.36
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	8	0.36
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	8	0.36
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	4	0.36
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	7	0.36
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	15	0.36
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	6	0.36
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	6	0.36
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	11	0.36
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	11	0.36
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	11	0.36
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	11	0.36
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	11	0.36
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	11	0.36
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	13	0.36
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	13	0.36
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	13	0.36
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	13	0.36
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	13	0.36
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	13	0.36
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	12	0.36
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	12	0.36
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	12	0.36
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	12	0.36
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	12	0.36
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	12	0.36
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	5	0.36
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	5	0.36
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	5	0.36
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	5	0.36
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	5	0.36
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	5	0.36
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	5	0.36
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	5	0.36
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	5	0.36
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	5	0.36
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	5	0.36
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	5	0.36
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	5	0.36
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	5	0.36
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	5	0.36
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	5	0.36
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	5	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG11	7	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG12	7	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG13	7	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG21	7	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG22	7	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG23	7	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG11	7	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG12	7	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG13	7	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG21	7	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG22	7	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG23	7	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG11	10	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG12	10	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG13	10	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG21	10	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG22	10	0.36
(4,1448)	1:9:A:LYS:HG2	1:22:A:VAL:HG23	10	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG11	10	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG12	10	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG13	10	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG21	10	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG22	10	0.36
(4,1448)	1:9:A:LYS:HG3	1:22:A:VAL:HG23	10	0.36
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	11	0.36
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	11	0.36
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	11	0.36
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	11	0.36
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	10	0.36
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	19	0.36
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	19	0.36
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	19	0.36
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	19	0.36
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	19	0.36
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	19	0.36
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	19	0.36
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	19	0.36
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	9	0.36
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	12	0.36
(4,1210)	1:125:A:LEU:H	1:125:A:LEU:HA	18	0.36
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	2	0.36
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	2	0.36
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	17	0.36
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	17	0.36
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	3	0.36
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	3	0.36
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	11	0.36
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	11	0.36
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	2	0.36
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	2	0.36
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	2	0.36
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	2	0.36
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	2	0.36
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	2	0.36
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	2	0.36
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	2	0.36
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	2	0.36
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	2	0.36
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	2	0.36
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	2	0.36
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	12	0.36
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	12	0.36
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	12	0.36
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	12	0.36
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	12	0.36
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	12	0.36
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	12	0.36
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	12	0.36
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	12	0.36
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	12	0.36
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	12	0.36
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	7	0.36
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	14	0.36
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	5	0.36
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	5	0.36
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	5	0.36
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	12	0.36
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	12	0.36
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	12	0.36
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	3	0.36
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	3	0.36
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	7	0.36
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	7	0.36
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	12	0.36
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	12	0.36
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	3	0.36
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	3	0.36
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	7	0.36
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	7	0.36
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	12	0.36
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	12	0.36
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	8	0.36
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	8	0.36
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	8	0.36
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	8	0.36
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	8	0.36
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	8	0.36
(4,776)	1:89:A:VAL:HA	1:89:A:VAL:HB	9	0.36
(4,775)	1:89:A:VAL:HA	1:89:A:VAL:HB	9	0.36
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	13	0.36
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	13	0.36
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	15	0.36
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	15	0.36
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG2	13	0.36
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG3	13	0.36
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	14	0.36
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	14	0.36
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	14	0.36
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	3	0.36
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	3	0.36
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	4	0.36
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	14	0.36
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	14	0.36
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	6	0.36
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	2	0.36
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	2	0.36
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	2	0.36
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	2	0.36
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	12	0.36
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	12	0.36
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	12	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	1	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	1	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	5	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	5	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	7	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	7	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	8	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	8	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	9	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	9	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	10	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	10	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	11	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	11	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	13	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	13	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	14	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	14	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	15	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	15	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	16	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	16	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	17	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	17	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	18	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	18	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	19	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	19	0.36
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	20	0.36
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	20	0.36
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	2	0.36
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	2	0.36
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	2	0.36
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	5	0.36
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	5	0.36
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	5	0.36
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	5	0.36
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	3	0.36
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	3	0.36
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	3	0.36
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	10	0.36
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	10	0.36
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	10	0.36
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	10	0.36
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	1	0.36
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	1	0.36
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	1	0.36
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	1	0.36
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	1	0.36
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	1	0.36
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	10	0.36
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	10	0.36
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	4	0.35
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	4	0.35
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	11	0.35
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	11	0.35
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	20	0.35
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	20	0.35
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	12	0.35
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	12	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	4	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	5	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	6	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	10	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	11	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	12	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	14	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	17	0.35
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	18	0.35
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	12	0.35
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	6	0.35
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	6	0.35
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	6	0.35
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	5	0.35
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	5	0.35
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	5	0.35
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	5	0.35
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	5	0.35
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	5	0.35
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	5	0.35
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	5	0.35
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	14	0.35
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	14	0.35
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	14	0.35
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	14	0.35
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	14	0.35
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	14	0.35
(6,1105)	1:28:A:VAL:HG11	1:28:A:VAL:H	12	0.35
(6,1105)	1:28:A:VAL:HG12	1:28:A:VAL:H	12	0.35
(6,1105)	1:28:A:VAL:HG13	1:28:A:VAL:H	12	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	1	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	3	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	6	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	13	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	14	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	17	0.35
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	19	0.35
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	2	0.35
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	2	0.35
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	1	0.35
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	14	0.35
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	1	0.35
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	1	0.35
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	8	0.35
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	8	0.35
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	9	0.35
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	9	0.35
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	18	0.35
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	18	0.35
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	2	0.35
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	2	0.35
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	12	0.35
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	16	0.35
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	8	0.35
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	9	0.35
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	9	0.35
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	8	0.35
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	8	0.35
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	8	0.35
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	8	0.35
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	8	0.35
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	8	0.35
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	16	0.35
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	9	0.35
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	10	0.35
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	13	0.35
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	18	0.35
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	8	0.35
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	8	0.35
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	8	0.35
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	16	0.35
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	16	0.35
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	16	0.35
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	16	0.35
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	3	0.35
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	3	0.35
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	3	0.35
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	5	0.35
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	5	0.35
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	5	0.35
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	2	0.35
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	2	0.35
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	8	0.35
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	9	0.35
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	12	0.35
(6,200)	1:23:A:ARG:H	1:19:A:ASP:H	13	0.35
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	7	0.35
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	7	0.35
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	17	0.35
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	1	0.35
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	1	0.35
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	4	0.35
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	4	0.35
(6,66)	1:9:A:LYS:HD2	1:8:A:LEU:H	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,66)	1:9:A:LYS:HD3	1:8:A:LEU:H	20	0.35
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	1	0.35
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	1	0.35
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	16	0.35
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	16	0.35
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	16	0.35
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	16	0.35
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	16	0.35
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	16	0.35
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	16	0.35
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	16	0.35
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	16	0.35
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	16	0.35
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	16	0.35
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	16	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	16	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	16	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	16	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	16	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	16	0.35
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	16	0.35
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	16	0.35
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	16	0.35
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	16	0.35
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	16	0.35
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	16	0.35
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	16	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	3	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	3	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	3	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	3	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	7	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	7	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	7	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	7	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	9	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	9	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	9	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	9	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	10	0.35
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	10	0.35
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	10	0.35
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	18	0.35
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	18	0.35
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	18	0.35
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	18	0.35
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	10	0.35
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	10	0.35
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	10	0.35
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	10	0.35
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	10	0.35
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	10	0.35
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	18	0.35
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	8	0.35
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	8	0.35
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	8	0.35
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	1	0.35
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	1	0.35
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	12	0.35
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	12	0.35
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	8	0.35
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	8	0.35
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	13	0.35
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	13	0.35
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	13	0.35
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	13	0.35
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	13	0.35
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	13	0.35
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	5	0.35
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	5	0.35
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	5	0.35
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	14	0.35
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	14	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	2	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	2	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	2	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	2	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	2	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	2	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	2	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	2	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	2	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	12	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	12	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	12	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	12	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	12	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	12	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	12	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	12	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	13	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	13	0.35
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	13	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	13	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	13	0.35
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	13	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	13	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	13	0.35
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	13	0.35
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	11	0.35
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	11	0.35
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	11	0.35
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	11	0.35
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	11	0.35
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	11	0.35
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	1	0.35
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	1	0.35
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	1	0.35
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	1	0.35
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	1	0.35
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	1	0.35
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	1	0.35
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	1	0.35
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	1	0.35
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	1	0.35
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	1	0.35
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	1	0.35
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE1	8	0.35
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE2	8	0.35
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE1	8	0.35
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE2	8	0.35
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE1	8	0.35
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE2	8	0.35
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	1	0.35
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	2	0.35
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	2	0.35
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	2	0.35
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	2	0.35
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	2	0.35
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	2	0.35
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	16	0.35
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	16	0.35
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	16	0.35
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	16	0.35
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	16	0.35
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	16	0.35
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	4	0.35
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	4	0.35
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	4	0.35
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	12	0.35
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	12	0.35
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	12	0.35
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	10	0.35
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	5	0.35
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	14	0.35
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	16	0.35
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	5	0.35
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	5	0.35
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	13	0.35
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	13	0.35
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	8	0.35
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	10	0.35
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	16	0.35
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	16	0.35
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	16	0.35
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	16	0.35
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	16	0.35
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	16	0.35
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	5	0.35
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	6	0.35
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	17	0.35
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	18	0.35
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	20	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	6	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	6	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	6	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	6	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	6	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	13	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	13	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	13	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	13	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	13	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	13	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	18	0.35
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	18	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	18	0.35
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	18	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	18	0.35
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	18	0.35
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	7	0.35
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	7	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	1	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	3	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	6	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	13	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	14	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	17	0.35
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	19	0.35
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	10	0.35
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	10	0.35
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	11	0.35
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	11	0.35
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	19	0.35
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	19	0.35
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	12	0.35
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	12	0.35
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	8	0.35
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	8	0.35
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	8	0.35
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	8	0.35
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	8	0.35
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	8	0.35
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	8	0.35
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	8	0.35
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	6	0.35
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	6	0.35
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	6	0.35
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	6	0.35
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	6	0.35
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	6	0.35
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	6	0.35
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	6	0.35
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	6	0.35
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	6	0.35
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	6	0.35
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	6	0.35
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	6	0.35
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	6	0.35
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	6	0.35
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	6	0.35
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	6	0.35
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	6	0.35
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	9	0.35
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	9	0.35
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	9	0.35
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	9	0.35
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	15	0.35
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	15	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	5	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	5	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	14	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	14	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	16	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	16	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	18	0.35
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	18	0.35
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	7	0.35
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	7	0.35
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	7	0.35
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	7	0.35
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	7	0.35
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	7	0.35
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	7	0.35
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	7	0.35
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	10	0.35
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	16	0.35
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	8	0.35
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	8	0.35
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	12	0.35
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	12	0.35
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	14	0.35
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	14	0.35
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	20	0.35
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	20	0.35
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	19	0.35
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	19	0.35
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	19	0.35
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	13	0.35
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	13	0.35
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	13	0.35
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	13	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	13	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	13	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	13	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	15	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	15	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	15	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	19	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	19	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	19	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	20	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	20	0.35
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	20	0.35
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	19	0.35
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	19	0.35
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	11	0.35
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	11	0.35
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	11	0.35
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	11	0.35
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	11	0.35
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	11	0.35
(4,776)	1:89:A:VAL:HA	1:89:A:VAL:HB	19	0.35
(4,775)	1:89:A:VAL:HA	1:89:A:VAL:HB	19	0.35
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	1	0.35
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	1	0.35
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	5	0.35
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	2	0.35
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	2	0.35
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	7	0.35
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	7	0.35
(4,543)	1:52:A:LEU:HA	1:52:A:LEU:HG	2	0.35
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	2	0.35
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	2	0.35
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	2	0.35
(4,527)	1:52:A:LEU:HG	1:52:A:LEU:HA	2	0.35
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	18	0.35
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	18	0.35
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	18	0.35
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	18	0.35
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	12	0.35
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	5	0.35
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	5	0.35
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	5	0.35
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	11	0.35
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	11	0.35
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	11	0.35
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	14	0.35
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	14	0.35
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	14	0.35
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	2	0.35
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	2	0.35
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	4	0.35
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	4	0.35
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	12	0.35
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	12	0.35
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	8	0.35
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	8	0.35
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	8	0.35
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	8	0.35
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	20	0.35
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	20	0.35
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	20	0.35
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	3	0.35
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	3	0.35
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	3	0.35
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	3	0.35
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	9	0.35
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	9	0.35
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	9	0.35
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	16	0.35
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	16	0.35
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	16	0.35
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	16	0.35
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	4	0.35
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	5	0.34
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	5	0.34
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	1	0.34
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	3	0.34
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	16	0.34
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	13	0.34
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	13	0.34
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	9	0.34
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	9	0.34
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	5	0.34
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	2	0.34
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	5	0.34
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	9	0.34
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	10	0.34
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	11	0.34
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	12	0.34
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	12	0.34
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	14	0.34
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	14	0.34
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	15	0.34
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	7	0.34
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	7	0.34
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	14	0.34
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	14	0.34
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	17	0.34
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	17	0.34
(6,911)	1:55:A:LEU:HB2	1:55:A:LEU:H	15	0.34
(6,911)	1:55:A:LEU:HB3	1:55:A:LEU:H	15	0.34
(6,911)	1:55:A:LEU:HB2	1:55:A:LEU:H	20	0.34
(6,911)	1:55:A:LEU:HB3	1:55:A:LEU:H	20	0.34
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	6	0.34
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	15	0.34
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	15	0.34
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	15	0.34
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	15	0.34
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	15	0.34
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	15	0.34
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	18	0.34
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	17	0.34
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	17	0.34
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	17	0.34
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	8	0.34
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	6	0.34
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	8	0.34
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	10	0.34
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	12	0.34
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	17	0.34
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	16	0.34
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	16	0.34
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	16	0.34
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	7	0.34
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	12	0.34
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	12	0.34
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	12	0.34
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	5	0.34
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	11	0.34
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	1	0.34
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	1	0.34
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	1	0.34
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	9	0.34
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	9	0.34
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	9	0.34
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	12	0.34
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	12	0.34
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	16	0.34
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	16	0.34
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	20	0.34
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	20	0.34
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	4	0.34
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	7	0.34
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	14	0.34
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	17	0.34
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	20	0.34
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	20	0.34
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	20	0.34
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	13	0.34
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	18	0.34
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	18	0.34
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	8	0.34
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	8	0.34
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	16	0.34
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	16	0.34
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	8	0.34
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	8	0.34
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	16	0.34
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	16	0.34
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	13	0.34
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	13	0.34
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	8	0.34
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	8	0.34
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	13	0.34
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	13	0.34
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	14	0.34
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	14	0.34
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	6	0.34
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	7	0.34
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	7	0.34
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	7	0.34
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	7	0.34
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	7	0.34
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	7	0.34
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	11	0.34
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	11	0.34
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	16	0.34
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	16	0.34
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	16	0.34
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	16	0.34
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	16	0.34
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	16	0.34
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	10	0.34
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	12	0.34
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	12	0.34
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	12	0.34
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	14	0.34
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	14	0.34
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	14	0.34
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	6	0.34
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	6	0.34
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	17	0.34
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	17	0.34
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	17	0.34
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	5	0.34
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	5	0.34
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	5	0.34
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	5	0.34
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	5	0.34
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	5	0.34
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	18	0.34
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	18	0.34
(4,2429)	1:97:A:ILE:HG21	1:105:A:ALA:HA	15	0.34
(4,2429)	1:97:A:ILE:HG22	1:105:A:ALA:HA	15	0.34
(4,2429)	1:97:A:ILE:HG23	1:105:A:ALA:HA	15	0.34
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	8	0.34
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	8	0.34
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	8	0.34
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	15	0.34
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	15	0.34
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	15	0.34
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	4	0.34
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	4	0.34
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	4	0.34
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	4	0.34
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	4	0.34
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	4	0.34
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	4	0.34
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	4	0.34
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	4	0.34
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	19	0.34
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	19	0.34
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	19	0.34
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	19	0.34
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	19	0.34
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	19	0.34
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	19	0.34
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	19	0.34
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	19	0.34
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	19	0.34
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	19	0.34
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	9	0.34
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	1	0.34
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	1	0.34
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	3	0.34
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	3	0.34
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	5	0.34
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	5	0.34
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	12	0.34
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	12	0.34
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	14	0.34
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	14	0.34
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	20	0.34
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	20	0.34
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	4	0.34
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	4	0.34
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	4	0.34
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	4	0.34
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	4	0.34
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	4	0.34
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD11	6	0.34
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD12	6	0.34
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD13	6	0.34
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD21	6	0.34
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD22	6	0.34
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD23	6	0.34
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD11	6	0.34
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD12	6	0.34
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD13	6	0.34
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD21	6	0.34
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD22	6	0.34
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD23	6	0.34
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	8	0.34
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	8	0.34
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	8	0.34
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	8	0.34
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	8	0.34
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	8	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	5	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	5	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	5	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	5	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	5	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	5	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	5	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	5	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	5	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	5	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	5	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	9	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	9	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	9	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	9	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	9	0.34
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	9	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	9	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	9	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	9	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	9	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	9	0.34
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	9	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	1	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	1	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	2	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	2	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	6	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	6	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	8	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	8	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	12	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	12	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	18	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	18	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	19	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	19	0.34
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	20	0.34
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	20	0.34
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	13	0.34
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	13	0.34
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	13	0.34
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	4	0.34
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	13	0.34
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	10	0.34
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	15	0.34
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	15	0.34
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	11	0.34
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	11	0.34
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	15	0.34
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	8	0.34
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	8	0.34
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	8	0.34
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	8	0.34
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	8	0.34
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	8	0.34
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	2	0.34
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	12	0.34
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	16	0.34
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	16	0.34
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	16	0.34
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	16	0.34
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	16	0.34
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	16	0.34
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	2	0.34
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	5	0.34
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	9	0.34
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	10	0.34
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	11	0.34
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	2	0.34
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	2	0.34
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	3	0.34
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	3	0.34
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	12	0.34
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	12	0.34
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	16	0.34
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	16	0.34
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	3	0.34
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	3	0.34
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	10	0.34
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	10	0.34
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	10	0.34
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	10	0.34
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	10	0.34
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	10	0.34
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	10	0.34
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	4	0.34
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	4	0.34
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	4	0.34
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	4	0.34
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	3	0.34
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	3	0.34
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	3	0.34
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	3	0.34
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	3	0.34
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	3	0.34
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	3	0.34
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	3	0.34
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	3	0.34
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	3	0.34
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	3	0.34
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	3	0.34
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	3	0.34
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	3	0.34
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	3	0.34
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	3	0.34
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	3	0.34
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	3	0.34
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	8	0.34
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	8	0.34
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	8	0.34
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	8	0.34
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	8	0.34
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	8	0.34
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	8	0.34
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	8	0.34
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	8	0.34
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	8	0.34
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	8	0.34
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	8	0.34
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	8	0.34
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	8	0.34
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	8	0.34
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	8	0.34
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	8	0.34
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	8	0.34
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	13	0.34
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	13	0.34
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	1	0.34
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	1	0.34
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	1	0.34
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	1	0.34
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	1	0.34
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	1	0.34
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	18	0.34
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	18	0.34
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	18	0.34
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	18	0.34
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	18	0.34
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	18	0.34
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	19	0.34
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	19	0.34
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	19	0.34
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	19	0.34
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	19	0.34
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	19	0.34
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	5	0.34
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	5	0.34
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	5	0.34
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	5	0.34
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	5	0.34
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	5	0.34
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	17	0.34
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	17	0.34
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	17	0.34
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	17	0.34
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	17	0.34
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	17	0.34
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	17	0.34
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	17	0.34
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	17	0.34
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	17	0.34
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	17	0.34
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	17	0.34
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	17	0.34
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	17	0.34
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	17	0.34
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	17	0.34
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	17	0.34
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	9	0.34
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	9	0.34
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	9	0.34
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	9	0.34
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	9	0.34
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	9	0.34
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	2	0.34
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	2	0.34
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	2	0.34
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	2	0.34
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	18	0.34
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	18	0.34
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	18	0.34
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	18	0.34
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	14	0.34
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	14	0.34
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	2	0.34
(4,1345)	1:54:A:ASN:H	1:53:A:MET:HA	11	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	3	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	3	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	6	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	6	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	11	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	11	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	12	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	12	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	17	0.34
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	17	0.34
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	3	0.34
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	3	0.34
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	3	0.34
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	3	0.34
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	3	0.34
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	3	0.34
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	3	0.34
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	3	0.34
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	3	0.34
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	3	0.34
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	3	0.34
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	4	0.34
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	4	0.34
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	4	0.34
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	4	0.34
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	4	0.34
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	4	0.34
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	4	0.34
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	4	0.34
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	4	0.34
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	4	0.34
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	4	0.34
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	4	0.34
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	6	0.34
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	6	0.34
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	6	0.34
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	6	0.34
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	6	0.34
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	6	0.34
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	6	0.34
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	6	0.34
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	6	0.34
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	6	0.34
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	6	0.34
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	6	0.34
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	13	0.34
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	13	0.34
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	13	0.34
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	13	0.34
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	17	0.34
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	17	0.34
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	17	0.34
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	17	0.34
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	13	0.34
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	13	0.34
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	13	0.34
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	13	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	3	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	3	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	3	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	4	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	4	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	7	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	7	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	7	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	8	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	8	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	8	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	14	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	14	0.34
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	14	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	3	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	3	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	3	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	5	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	5	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	5	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	6	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	6	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	6	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	10	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	10	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	10	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	14	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	14	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	14	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	16	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	16	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	16	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	17	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	17	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	17	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	19	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	19	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	19	0.34
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	20	0.34
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	20	0.34
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	20	0.34
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	3	0.34
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	3	0.34
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	3	0.34
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	8	0.34
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	8	0.34
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	14	0.34
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	14	0.34
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	14	0.34
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	16	0.34
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	16	0.34
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	16	0.34
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	20	0.34
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	20	0.34
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	20	0.34
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	9	0.34
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	9	0.34
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	10	0.34
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	10	0.34
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	9	0.34
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	9	0.34
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	10	0.34
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	10	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	3	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	3	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	3	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	7	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	7	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	7	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	8	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	8	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	8	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	9	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	9	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	9	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	10	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	10	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	10	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	13	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	13	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	13	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	15	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	15	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	15	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	16	0.34
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	16	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	16	0.34
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	20	0.34
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	20	0.34
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	3	0.34
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	3	0.34
(4,148)	1:60:A:PRO:HB2	1:60:A:PRO:HA	6	0.34
(4,148)	1:60:A:PRO:HB3	1:60:A:PRO:HA	6	0.34
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	6	0.34
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	6	0.34
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	6	0.34
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	6	0.34
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	7	0.34
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	7	0.34
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	7	0.34
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	7	0.34
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	5	0.34
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	5	0.34
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	5	0.34
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	15	0.34
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	15	0.34
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	15	0.34
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	17	0.34
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	17	0.34
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	17	0.34
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	17	0.34
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD2	14	0.34
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD3	14	0.34
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD2	14	0.34
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD3	14	0.34
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	4	0.34
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	4	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	4	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	4	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	4	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	4	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	7	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	7	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	7	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	7	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	12	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	12	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	12	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	19	0.34
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	19	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	19	0.34
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	19	0.34
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	2	0.34
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	2	0.34
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	2	0.34
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	2	0.34
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	2	0.34
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	2	0.34
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	2	0.34
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	2	0.34
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	2	0.34
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	2	0.34
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	2	0.34
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	2	0.34
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	3	0.33
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	3	0.33
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	14	0.33
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	14	0.33
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	9	0.33
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	9	0.33
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	9	0.33
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	9	0.33
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	9	0.33
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	9	0.33
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	2	0.33
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	2	0.33
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	2	0.33
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	2	0.33
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	16	0.33
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	16	0.33
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	16	0.33
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	16	0.33
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	20	0.33
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	20	0.33
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	20	0.33
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	20	0.33
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	11	0.33
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	11	0.33
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	16	0.33
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	4	0.33
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	4	0.33
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	4	0.33
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	4	0.33
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	4	0.33
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	4	0.33
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	19	0.33
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	19	0.33
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	12	0.33
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	8	0.33
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	16	0.33
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	18	0.33
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	16	0.33
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	16	0.33
(6,921)	1:53:A:MET:HB2	1:53:A:MET:H	19	0.33
(6,921)	1:53:A:MET:HB3	1:53:A:MET:H	19	0.33
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	8	0.33
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	8	0.33
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	18	0.33
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	18	0.33
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	4	0.33
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	4	0.33
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	4	0.33
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	15	0.33
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	15	0.33
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	15	0.33
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	3	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	1	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	2	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	4	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	6	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	7	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	10	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	11	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	12	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	13	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	14	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	16	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	18	0.33
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	20	0.33
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	20	0.33
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	17	0.33
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	4	0.33
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	3	0.33
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	8	0.33
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	11	0.33
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	13	0.33
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	5	0.33
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	8	0.33
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	2	0.33
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	5	0.33
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	9	0.33
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	11	0.33
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	2	0.33
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	5	0.33
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	6	0.33
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	15	0.33
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	20	0.33
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	16	0.33
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	16	0.33
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	7	0.33
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	14	0.33
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	14	0.33
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	14	0.33
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	2	0.33
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	2	0.33
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	2	0.33
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	6	0.33
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	6	0.33
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	6	0.33
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	7	0.33
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	7	0.33
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	7	0.33
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	11	0.33
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	11	0.33
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	11	0.33
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	14	0.33
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	14	0.33
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	14	0.33
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	3	0.33
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	3	0.33
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	6	0.33
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	11	0.33
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	11	0.33
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	17	0.33
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	17	0.33
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	5	0.33
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	10	0.33
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	16	0.33
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	6	0.33
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	6	0.33
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	1	0.33
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	8	0.33
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	13	0.33
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	13	0.33
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	13	0.33
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	13	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	1	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	1	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	2	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	2	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	3	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	3	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	4	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	4	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	5	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	5	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	7	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	7	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	9	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	9	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	10	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	10	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	11	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	11	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	12	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	12	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	13	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	13	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	14	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	14	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	15	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	15	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	17	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	18	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	18	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	19	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	19	0.33
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	20	0.33
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	20	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	1	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	1	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	2	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	2	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	3	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	3	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	4	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	4	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	5	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	5	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	7	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	7	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	9	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	9	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	10	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	10	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	11	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	11	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	12	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	12	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	13	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	13	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	14	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	14	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	15	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	15	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	17	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	17	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	18	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	18	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	19	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	19	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	20	0.33
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	20	0.33
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	17	0.33
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	17	0.33
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	17	0.33
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	15	0.33
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	15	0.33
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	20	0.33
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	20	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	3	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	3	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	3	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	3	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	3	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	3	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	3	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	3	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	3	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	3	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	3	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	3	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	8	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	8	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	8	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	8	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	8	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	8	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	8	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	8	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	8	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	8	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	8	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	8	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	14	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	14	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	14	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	14	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	14	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	14	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	14	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	14	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	14	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	14	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	14	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	17	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	17	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	17	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	17	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	17	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	17	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	17	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	17	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	17	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	17	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	17	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	17	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	19	0.33
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	19	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	19	0.33
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	19	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	19	0.33
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	19	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	19	0.33
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	19	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	19	0.33
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	19	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	19	0.33
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	19	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	3	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	3	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	3	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	3	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	3	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	3	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	3	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	3	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	3	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	3	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	3	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	3	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	8	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	8	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	8	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	8	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	8	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	8	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	8	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	8	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	8	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	8	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	8	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	14	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	14	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	14	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	14	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	14	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	14	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	14	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	14	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	14	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	14	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	14	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	14	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	17	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	17	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	17	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	17	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	17	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	17	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	17	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	17	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	17	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	17	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	17	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	17	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	19	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	19	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	19	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	19	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	19	0.33
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	19	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	19	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	19	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	19	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	19	0.33
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	19	0.33
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE21	4	0.33
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE22	4	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	1	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	1	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	2	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	2	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	4	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	4	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	7	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	7	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	9	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	9	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	10	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	10	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	11	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	11	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	12	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	12	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	14	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	14	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	15	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	15	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	16	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	16	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	17	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	17	0.33
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	20	0.33
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	20	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	1	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	1	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	1	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	1	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	2	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	2	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	2	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	2	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	10	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	10	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	10	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	10	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	12	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	12	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	12	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	14	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	14	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	14	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	14	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	15	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	15	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	15	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	15	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	17	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	17	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	17	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	17	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	18	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	18	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	18	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	18	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	20	0.33
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	20	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	20	0.33
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	20	0.33
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	13	0.33
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	13	0.33
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	13	0.33
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	13	0.33
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	14	0.33
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	14	0.33
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	14	0.33
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	14	0.33
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	17	0.33
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	17	0.33
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	17	0.33
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	17	0.33
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	16	0.33
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	16	0.33
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	11	0.33
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	11	0.33
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	16	0.33
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	16	0.33
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	7	0.33
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	7	0.33
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	7	0.33
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	7	0.33
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	7	0.33
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	14	0.33
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	14	0.33
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	14	0.33
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	14	0.33
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	14	0.33
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	14	0.33
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	18	0.33
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	18	0.33
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	18	0.33
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	18	0.33
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	18	0.33
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	18	0.33
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	8	0.33
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	6	0.33
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	18	0.33
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	18	0.33
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	18	0.33
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	4	0.33
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	4	0.33
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	4	0.33
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	4	0.33
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	4	0.33
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	4	0.33
(4,2639)	1:125:A:LEU:HA	1:125:A:LEU:HG	19	0.33
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	3	0.33
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	3	0.33
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	14	0.33
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	14	0.33
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	16	0.33
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	16	0.33
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	19	0.33
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	19	0.33
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	5	0.33
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	5	0.33
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	5	0.33
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	5	0.33
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	5	0.33
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD2	7	0.33
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	16	0.33
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	16	0.33
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	16	0.33
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	15	0.33
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	15	0.33
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	15	0.33
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	15	0.33
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	15	0.33
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	15	0.33
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	15	0.33
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	15	0.33
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	15	0.33
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	15	0.33
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	15	0.33
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	15	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	3	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	3	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	3	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	18	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	18	0.33
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	18	0.33
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	8	0.33
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	8	0.33
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	8	0.33
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	8	0.33
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	8	0.33
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	8	0.33
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	8	0.33
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	8	0.33
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	8	0.33
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	16	0.33
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	16	0.33
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	16	0.33
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	16	0.33
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	16	0.33
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	16	0.33
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	16	0.33
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	16	0.33
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	16	0.33
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	14	0.33
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	14	0.33
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	14	0.33
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	14	0.33
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	13	0.33
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	13	0.33
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	13	0.33
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	13	0.33
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	13	0.33
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	13	0.33
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	13	0.33
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	13	0.33
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	13	0.33
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	13	0.33
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	13	0.33
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	13	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	2	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	2	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	6	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	6	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	7	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	7	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	9	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	9	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	10	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	10	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	11	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	11	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	13	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	13	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	15	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	15	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	17	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	17	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	18	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	18	0.33
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	19	0.33
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	19	0.33
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG21	9	0.33
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG22	9	0.33
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG23	9	0.33
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG21	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG22	9	0.33
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG23	9	0.33
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	6	0.33
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	6	0.33
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	6	0.33
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	6	0.33
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	6	0.33
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	6	0.33
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	8	0.33
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	6	0.33
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	6	0.33
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	6	0.33
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	6	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	3	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	3	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	4	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	4	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	5	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	5	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	7	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	7	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	9	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	9	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	10	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	10	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	13	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	13	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	14	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	14	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	15	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	15	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	16	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	16	0.33
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	17	0.33
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	17	0.33
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	5	0.33
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	5	0.33
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	5	0.33
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	16	0.33
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	16	0.33
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	16	0.33
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	8	0.33
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	14	0.33
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	15	0.33
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	2	0.33
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	3	0.33
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	6	0.33
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	12	0.33
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	17	0.33
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	19	0.33
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	15	0.33
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	13	0.33
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	13	0.33
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	16	0.33
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	16	0.33
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	19	0.33
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	19	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	8	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	8	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	11	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	11	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	16	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	16	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	17	0.33
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	17	0.33
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	12	0.33
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	12	0.33
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	13	0.33
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	20	0.33
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	20	0.33
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	20	0.33
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	20	0.33
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	20	0.33
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	20	0.33
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	20	0.33
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	20	0.33
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	20	0.33
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	20	0.33
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	20	0.33
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	20	0.33
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	20	0.33
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	20	0.33
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	20	0.33
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	20	0.33
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	20	0.33
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	18	0.33
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	18	0.33
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	9	0.33
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	9	0.33
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	9	0.33
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	9	0.33
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	9	0.33
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	9	0.33
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	4	0.33
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	2	0.33
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	15	0.33
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	15	0.33
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	15	0.33
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	15	0.33
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	15	0.33
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	15	0.33
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	15	0.33
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	15	0.33
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	15	0.33
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	15	0.33
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	15	0.33
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	15	0.33
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	8	0.33
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	16	0.33
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	18	0.33
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	4	0.33
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	4	0.33
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	9	0.33
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	9	0.33
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	14	0.33
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	14	0.33
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	20	0.33
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	20	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	10	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	10	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	11	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	11	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	13	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	17	0.33
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	17	0.33
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	3	0.33
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	3	0.33
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	3	0.33
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	3	0.33
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	3	0.33
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	3	0.33
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	3	0.33
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	3	0.33
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	15	0.33
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	15	0.33
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	15	0.33
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	15	0.33
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	15	0.33
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	15	0.33
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	15	0.33
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	15	0.33
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	15	0.33
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	15	0.33
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	15	0.33
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	15	0.33
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	15	0.33
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	15	0.33
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	15	0.33
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	15	0.33
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	15	0.33
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	15	0.33
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	18	0.33
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	18	0.33
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	18	0.33
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	13	0.33
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	13	0.33
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	13	0.33
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	13	0.33
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	13	0.33
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	13	0.33
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	13	0.33
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	13	0.33
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	13	0.33
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	19	0.33
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	19	0.33
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	19	0.33
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	19	0.33
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	19	0.33
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	19	0.33
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	19	0.33
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	19	0.33
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	3	0.33
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	3	0.33
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	3	0.33
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	6	0.33
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	6	0.33
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	6	0.33
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	6	0.33
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	6	0.33
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	6	0.33
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	9	0.33
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	9	0.33
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	9	0.33
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	9	0.33
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	9	0.33
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	9	0.33
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	7	0.33
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	7	0.33
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	7	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	8	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	8	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	8	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	8	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	8	0.33
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	8	0.33
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	8	0.33
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	8	0.33
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	8	0.33
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	8	0.33
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	8	0.33
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	8	0.33
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	8	0.33
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	8	0.33
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	8	0.33
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	8	0.33
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	8	0.33
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	8	0.33
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	8	0.33
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	8	0.33
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	8	0.33
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	8	0.33
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	8	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	3	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	3	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	3	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	3	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	8	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	8	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	8	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	8	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	11	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	11	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	11	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	11	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	13	0.33
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	13	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	13	0.33
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	13	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	4	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	4	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	4	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	4	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	6	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	6	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	6	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	6	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	13	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	13	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	13	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	13	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	15	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	15	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	15	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	15	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	20	0.33
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	20	0.33
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	20	0.33
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	1	0.33
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	1	0.33
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	13	0.33
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	13	0.33
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	13	0.33
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	13	0.33
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	6	0.33
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	6	0.33
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	6	0.33
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	6	0.33
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	8	0.33
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	8	0.33
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	8	0.33
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	8	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	1	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	1	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	4	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	4	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	9	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	9	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	15	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	15	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	20	0.33
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	20	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	1	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	1	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	1	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	1	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	2	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	2	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	2	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	2	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	3	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	3	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	3	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	3	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	5	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	5	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	5	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	5	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	8	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	8	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	8	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	9	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	9	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	9	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	9	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	13	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	13	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	13	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	13	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	17	0.33
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	17	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	17	0.33
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	17	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	1	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	1	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	1	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	1	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	2	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	2	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	2	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	2	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	3	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	3	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	3	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	3	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	5	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	5	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	5	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	5	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	8	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	8	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	8	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	8	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	9	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	9	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	9	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	9	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	13	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	13	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	13	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	17	0.33
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	17	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	17	0.33
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	17	0.33
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	17	0.33
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	17	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	5	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	5	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	5	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	5	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	5	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	5	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	5	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	5	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	5	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	5	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	5	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	5	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	8	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	8	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	8	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	8	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	8	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	8	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	8	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	8	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	8	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	8	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	8	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	8	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	9	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	9	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	9	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	9	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	9	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	9	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	9	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	9	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	9	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	9	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	9	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	11	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	11	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	11	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	11	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	11	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	11	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	11	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	11	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	11	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	11	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	11	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	11	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	15	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	15	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	15	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	15	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	15	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	15	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	15	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	15	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	15	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	15	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	15	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	15	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	18	0.33
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	18	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	18	0.33
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	18	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	18	0.33
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	18	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	18	0.33
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	18	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	18	0.33
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	18	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	18	0.33
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	18	0.33
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	20	0.33
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	7	0.33
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	7	0.33
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	19	0.33
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	7	0.33
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	7	0.33
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	19	0.33
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	19	0.33
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	5	0.33
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	5	0.33
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	5	0.33
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	5	0.33
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	5	0.33
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	5	0.33
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	5	0.33
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	5	0.33
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	6	0.33
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	6	0.33
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	6	0.33
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	11	0.33
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	11	0.33
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	11	0.33
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG2	12	0.33
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG3	12	0.33
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	17	0.33
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	17	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	1	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	1	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	1	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	2	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	2	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	2	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	4	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	4	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	4	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	7	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	7	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	7	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	8	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	8	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	8	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	9	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	9	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	9	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	11	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	11	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	12	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	12	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	12	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	13	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	13	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	13	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	15	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	15	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	15	0.33
(4,716)	1:70:A:ILE:HG21	1:70:A:ILE:HB	18	0.33
(4,716)	1:70:A:ILE:HG22	1:70:A:ILE:HB	18	0.33
(4,716)	1:70:A:ILE:HG23	1:70:A:ILE:HB	18	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	1	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	2	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	3	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	4	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	5	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	6	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	7	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	8	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	9	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	10	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	11	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	12	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	13	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	14	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	15	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	16	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	17	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	18	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	19	0.33
(4,631)	1:68:A:TYR:HB3	1:68:A:TYR:HB2	20	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	1	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	1	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	1	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	4	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	4	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	4	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	7	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	7	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	9	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	9	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	9	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	10	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	10	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	10	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	11	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	11	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	11	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	15	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	15	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	15	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	17	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	17	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	17	0.33
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	19	0.33
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	19	0.33
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	19	0.33
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	2	0.33
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	2	0.33
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	11	0.33
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	11	0.33
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	14	0.33
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	14	0.33
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	2	0.33
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	2	0.33
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	11	0.33
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	11	0.33
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	14	0.33
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	14	0.33
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	16	0.33
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	16	0.33
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	1	0.33
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	1	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	1	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	1	0.33
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	2	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	2	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	2	0.33
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	4	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	4	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	6	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	6	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	6	0.33
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	17	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	17	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	17	0.33
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	18	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	18	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	18	0.33
(4,222)	1:12:A:VAL:HG11	1:12:A:VAL:HB	19	0.33
(4,222)	1:12:A:VAL:HG12	1:12:A:VAL:HB	19	0.33
(4,222)	1:12:A:VAL:HG13	1:12:A:VAL:HB	19	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	12	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	12	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	12	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	12	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	15	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	15	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	15	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	15	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	18	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	18	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	18	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	18	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	19	0.33
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	19	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	19	0.33
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	19	0.33
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	4	0.33
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	4	0.33
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	4	0.33
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	5	0.33
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	5	0.33
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	10	0.33
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	10	0.33
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	12	0.33
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	12	0.33
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	13	0.33
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	13	0.33
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	15	0.33
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	15	0.33
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	10	0.33
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	10	0.33
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	10	0.33
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	10	0.33
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	10	0.33
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	10	0.33
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	10	0.33
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	10	0.33
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	16	0.33
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	20	0.32
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	20	0.32
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	5	0.32
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	5	0.32
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	17	0.32
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	17	0.32
(6,1340)	1:58:A:THR:H	1:36:A:LYS:H	8	0.32
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	12	0.32
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	12	0.32
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	18	0.32
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	18	0.32
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	18	0.32
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	18	0.32
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	18	0.32
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	18	0.32
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	16	0.32
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	16	0.32
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	3	0.32
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	3	0.32
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	3	0.32
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	3	0.32
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	3	0.32
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	3	0.32
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	12	0.32
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	13	0.32
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	12	0.32
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	7	0.32
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	7	0.32
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	15	0.32
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	15	0.32
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	14	0.32
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	14	0.32
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	16	0.32
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	16	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	4	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	5	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	7	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	10	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	14	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	17	0.32
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	20	0.32
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	3	0.32
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	5	0.32
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	17	0.32
(6,748)	1:87:A:CYS:H	1:87:A:CYS:HA	19	0.32
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	6	0.32
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	6	0.32
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	8	0.32
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	8	0.32
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	6	0.32
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	6	0.32
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	8	0.32
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	8	0.32
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	18	0.32
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	18	0.32
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	14	0.32
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	14	0.32
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	14	0.32
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	18	0.32
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	18	0.32
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	18	0.32
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	2	0.32
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	4	0.32
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	6	0.32
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	18	0.32
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	3	0.32
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	3	0.32
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	14	0.32
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	15	0.32
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	20	0.32
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	1	0.32
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	1	0.32
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	11	0.32
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	17	0.32
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	5	0.32
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	5	0.32
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	1	0.32
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	1	0.32
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	1	0.32
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	13	0.32
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	13	0.32
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	13	0.32
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	20	0.32
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	20	0.32
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	20	0.32
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	4	0.32
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	4	0.32
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	4	0.32
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	20	0.32
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	20	0.32
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	20	0.32
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	4	0.32
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	4	0.32
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	19	0.32
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	19	0.32
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	20	0.32
(6,109)	1:11:A:MET:HG2	1:12:A:VAL:H	6	0.32
(6,109)	1:11:A:MET:HG3	1:12:A:VAL:H	6	0.32
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG2	3	0.32
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG3	3	0.32
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	4	0.32
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	4	0.32
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	6	0.32
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	6	0.32
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	18	0.32
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	18	0.32
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	19	0.32
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	19	0.32
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	3	0.32
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	3	0.32
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD2	17	0.32
(4,3068)	1:83:A:ASN:HA	1:84:A:PRO:HD3	17	0.32
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	2	0.32
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	2	0.32
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	2	0.32
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	2	0.32
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	2	0.32
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	2	0.32
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	2	0.32
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	2	0.32
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	2	0.32
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	2	0.32
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	2	0.32
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	6	0.32
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	6	0.32
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	6	0.32
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	6	0.32
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	6	0.32
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	6	0.32
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	6	0.32
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	6	0.32
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	6	0.32
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	6	0.32
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	6	0.32
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	6	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	2	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	2	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	2	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	2	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	2	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	2	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	2	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	2	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	2	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	2	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	2	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	2	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	6	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	6	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	6	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	6	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	6	0.32
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	6	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	6	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	6	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	6	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	6	0.32
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	6	0.32
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	5	0.32
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	5	0.32
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	6	0.32
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	6	0.32
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	18	0.32
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	18	0.32
(4,3010)	1:81:A:PRO:HD2	1:81:A:PRO:HA	19	0.32
(4,3010)	1:81:A:PRO:HD3	1:81:A:PRO:HA	19	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	4	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	4	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	4	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	4	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	5	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	5	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	5	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	5	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	6	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	6	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	6	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	6	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	7	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	7	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	7	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	7	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	8	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	8	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	8	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	8	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	9	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	9	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	9	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	9	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	11	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	11	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	11	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	11	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	16	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	16	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	16	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	19	0.32
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	19	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	19	0.32
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	19	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	4	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	4	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	4	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	4	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	5	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	5	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	5	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	5	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	15	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	15	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	15	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	15	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	18	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	18	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	18	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	18	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	19	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	19	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	19	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	19	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	20	0.32
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	20	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	20	0.32
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	20	0.32
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	1	0.32
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	1	0.32
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	2	0.32
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	2	0.32
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	6	0.32
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	6	0.32
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	14	0.32
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	20	0.32
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	20	0.32
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	20	0.32
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	20	0.32
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	20	0.32
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	1	0.32
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	1	0.32
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	5	0.32
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	5	0.32
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	9	0.32
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	3	0.32
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	3	0.32
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	3	0.32
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	11	0.32
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	11	0.32
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	11	0.32
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	2	0.32
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	2	0.32
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	2	0.32
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	14	0.32
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	14	0.32
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	16	0.32
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	16	0.32
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	19	0.32
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	19	0.32
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	7	0.32
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	7	0.32
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	7	0.32
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	7	0.32
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	7	0.32
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	7	0.32
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	7	0.32
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	7	0.32
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	7	0.32
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	7	0.32
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	7	0.32
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	7	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	15	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	15	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	15	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	15	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	15	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	15	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	16	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	16	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	16	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	16	0.32
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	1	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	1	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	1	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	1	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	1	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	1	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	1	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	1	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	1	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	1	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	1	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	1	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	3	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	3	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	3	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	3	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	3	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	3	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	3	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	3	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	3	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	3	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	3	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	3	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	4	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	4	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	4	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	4	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	4	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	4	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	4	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	4	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	4	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	4	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	4	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	4	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	5	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	5	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	5	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	5	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	5	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	5	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	5	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	5	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	5	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	5	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	5	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	6	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	6	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	6	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	6	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	6	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	6	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	6	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	6	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	6	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	6	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	6	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	6	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	7	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	7	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	7	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	7	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	7	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	7	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	7	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	7	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	7	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	7	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	7	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	7	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	9	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	9	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	9	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	9	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	9	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	9	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	9	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	9	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	9	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	9	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	9	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	10	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	10	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	10	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	10	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	10	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	10	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	10	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	10	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	10	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	10	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	10	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	10	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	12	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	12	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	12	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	12	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	12	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	12	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	12	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	12	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	12	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	12	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	12	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	12	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	13	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	13	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	13	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	13	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	13	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	13	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	13	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	13	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	13	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	13	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	13	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	13	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	15	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	15	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	15	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	15	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	15	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	15	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	15	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	15	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	15	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	15	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	15	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	16	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	16	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	16	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	16	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	16	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	16	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	16	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	18	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	18	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	18	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	18	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	18	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	18	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	18	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	18	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	18	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	18	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	18	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	18	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	19	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	19	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	19	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	19	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	19	0.32
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	19	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	19	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	19	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	19	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	19	0.32
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	19	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	5	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	5	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	6	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	6	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	8	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	8	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	9	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	9	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	12	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	12	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	13	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	13	0.32
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	17	0.32
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	17	0.32
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG11	15	0.32
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG12	15	0.32
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG13	15	0.32
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG21	15	0.32
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG22	15	0.32
(4,2519)	1:113:A:TYR:HA	1:130:A:VAL:HG23	15	0.32
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	16	0.32
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	16	0.32
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	16	0.32
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	16	0.32
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	20	0.32
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	20	0.32
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	20	0.32
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	20	0.32
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	18	0.32
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	18	0.32
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	18	0.32
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	18	0.32
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	18	0.32
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	18	0.32
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	18	0.32
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	18	0.32
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	18	0.32
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	18	0.32
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	18	0.32
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	12	0.32
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	12	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	6	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	6	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	6	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	13	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	13	0.32
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	13	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	1	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	1	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	1	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	1	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	1	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	1	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	1	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	1	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	1	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	5	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	5	0.32
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	5	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	5	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	5	0.32
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	5	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	5	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	5	0.32
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	5	0.32
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	9	0.32
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	9	0.32
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	9	0.32
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	9	0.32
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	6	0.32
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	4	0.32
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	4	0.32
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	8	0.32
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	8	0.32
(4,2262)	1:85:A:PRO:HB2	1:85:A:PRO:HA	16	0.32
(4,2262)	1:85:A:PRO:HB3	1:85:A:PRO:HA	16	0.32
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG21	19	0.32
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG22	19	0.32
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG23	19	0.32
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG21	19	0.32
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG22	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG23	19	0.32
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	8	0.32
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	8	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	5	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	5	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	5	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	5	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	5	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	5	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	10	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	10	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	10	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	10	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	10	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	10	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	20	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	20	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	20	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	20	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	20	0.32
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	20	0.32
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	11	0.32
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	18	0.32
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	18	0.32
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	18	0.32
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	18	0.32
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	4	0.32
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	4	0.32
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	4	0.32
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	4	0.32
(4,2119)	1:72:A:ILE:HG12	1:72:A:ILE:HA	11	0.32
(4,2119)	1:72:A:ILE:HG13	1:72:A:ILE:HA	11	0.32
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	10	0.32
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	10	0.32
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	10	0.32
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	12	0.32
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	17	0.32
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	19	0.32
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	1	0.32
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	7	0.32
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	8	0.32
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	11	0.32
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	18	0.32
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	20	0.32
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	2	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	2	0.32
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	7	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	7	0.32
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	8	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	8	0.32
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	10	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	10	0.32
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	15	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	15	0.32
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	20	0.32
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	20	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	5	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	5	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	9	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	9	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	20	0.32
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	20	0.32
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	1	0.32
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	3	0.32
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	4	0.32
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	6	0.32
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	17	0.32
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	4	0.32
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	4	0.32
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	4	0.32
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	4	0.32
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	4	0.32
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	4	0.32
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	4	0.32
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	4	0.32
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	4	0.32
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	10	0.32
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	10	0.32
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	10	0.32
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	10	0.32
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	10	0.32
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	10	0.32
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	10	0.32
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	10	0.32
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	10	0.32
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	10	0.32
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	10	0.32
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	10	0.32
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	10	0.32
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	10	0.32
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	10	0.32
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	10	0.32
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	10	0.32
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	2	0.32
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	2	0.32
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	2	0.32
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	2	0.32
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	2	0.32
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	2	0.32
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	3	0.32
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	3	0.32
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	3	0.32
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	3	0.32
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	3	0.32
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	3	0.32
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	2	0.32
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	20	0.32
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	20	0.32
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	20	0.32
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	20	0.32
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	20	0.32
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	20	0.32
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	12	0.32
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	12	0.32
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	12	0.32
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	12	0.32
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	12	0.32
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	12	0.32
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	10	0.32
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	18	0.32
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	8	0.32
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	8	0.32
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	8	0.32
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	8	0.32
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	8	0.32
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	8	0.32
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	8	0.32
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	8	0.32
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	8	0.32
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	8	0.32
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	8	0.32
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	12	0.32
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	1	0.32
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	1	0.32
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	5	0.32
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	5	0.32
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	7	0.32
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	7	0.32
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	13	0.32
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	13	0.32
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	15	0.32
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	15	0.32
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	17	0.32
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	17	0.32
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG2	9	0.32
(4,1638)	1:34:A:ASP:HA	1:33:A:LYS:HG3	9	0.32
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	12	0.32
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	12	0.32
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	12	0.32
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	12	0.32
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	12	0.32
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	12	0.32
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	12	0.32
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	12	0.32
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	12	0.32
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	12	0.32
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	12	0.32
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	12	0.32
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	12	0.32
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	12	0.32
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	12	0.32
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	12	0.32
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	12	0.32
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	12	0.32
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	8	0.32
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	8	0.32
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	2	0.32
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	2	0.32
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	2	0.32
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	5	0.32
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	5	0.32
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	5	0.32
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	5	0.32
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	5	0.32
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	5	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	15	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	15	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	15	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	15	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	15	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	15	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	17	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	17	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	17	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	17	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	17	0.32
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	17	0.32
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	16	0.32
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	16	0.32
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	16	0.32
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	16	0.32
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	16	0.32
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	16	0.32
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	16	0.32
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	16	0.32
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	16	0.32
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	16	0.32
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	16	0.32
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	16	0.32
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	16	0.32
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	16	0.32
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	16	0.32
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	16	0.32
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	16	0.32
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	16	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	1	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	1	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	1	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	2	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	2	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	2	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	2	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	4	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	4	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	4	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	4	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	5	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	5	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	5	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	5	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	6	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	6	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	6	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	6	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	7	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	7	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	7	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	7	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	10	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	10	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	10	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	10	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	12	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	12	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	12	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	12	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	14	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	14	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	14	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	14	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	15	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	15	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	15	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	15	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	16	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	16	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	16	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	17	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	17	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	17	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	17	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	19	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	19	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	19	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	19	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	20	0.32
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	20	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	20	0.32
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	20	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	3	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	3	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	3	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	3	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	7	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	7	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	7	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	7	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	8	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	8	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	8	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	8	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	12	0.32
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	12	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	12	0.32
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	12	0.32
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	4	0.32
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	4	0.32
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	4	0.32
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	4	0.32
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	13	0.32
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	13	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	4	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	4	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	4	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	4	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	6	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	6	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	6	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	11	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	11	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	11	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	11	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	12	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	12	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	12	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	12	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	14	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	14	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	14	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	14	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	15	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	15	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	15	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	15	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	16	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	16	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	16	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	16	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	18	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	18	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	18	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	18	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG2	20	0.32
(4,1335)	1:16:A:LYS:HB2	1:16:A:LYS:HG3	20	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG2	20	0.32
(4,1335)	1:16:A:LYS:HB3	1:16:A:LYS:HG3	20	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	4	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	4	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	4	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	4	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	6	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	6	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	6	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	6	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	11	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	11	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	11	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	11	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	12	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	12	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	12	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	14	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	14	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	14	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	14	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	15	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	15	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	15	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	15	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	16	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	16	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	16	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	16	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	18	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	18	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	18	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	18	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.32
(4,1331)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.32
(4,1331)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.32
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	14	0.32
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	6	0.32
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	6	0.32
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	20	0.32
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	20	0.32
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	10	0.32
(4,982)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	10	0.32
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	10	0.32
(4,982)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	10	0.32
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	10	0.32
(4,982)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	10	0.32
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	10	0.32
(4,982)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	10	0.32
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	10	0.32
(4,982)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	10	0.32
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	10	0.32
(4,982)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	10	0.32
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD11	18	0.32
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD12	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD13	18	0.32
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD21	18	0.32
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD22	18	0.32
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD23	18	0.32
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	14	0.32
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	14	0.32
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	16	0.32
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	16	0.32
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.32
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.32
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	14	0.32
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	14	0.32
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	16	0.32
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	16	0.32
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.32
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.32
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	16	0.32
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	16	0.32
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	16	0.32
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	16	0.32
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	16	0.32
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	16	0.32
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	17	0.32
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	17	0.32
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	17	0.32
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	15	0.32
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	15	0.32
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	5	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	1	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	2	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	3	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	4	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	5	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	6	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	7	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	8	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	9	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	10	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	11	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	12	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	13	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	15	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	16	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	17	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	18	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	19	0.32
(4,569)	1:57:A:GLY:HA2	1:57:A:GLY:HA3	20	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	1	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	2	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	3	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	4	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	5	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	6	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	7	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	8	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	9	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	10	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	11	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	12	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	13	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	14	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	15	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	16	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	17	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	18	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	19	0.32
(4,568)	1:57:A:GLY:HA3	1:57:A:GLY:HA2	20	0.32
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	5	0.32
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	5	0.32
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	5	0.32
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	6	0.32
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	6	0.32
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	6	0.32
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	12	0.32
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	12	0.32
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	12	0.32
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	13	0.32
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	13	0.32
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	13	0.32
(4,541)	1:52:A:LEU:HD11	1:52:A:LEU:HG	18	0.32
(4,541)	1:52:A:LEU:HD12	1:52:A:LEU:HG	18	0.32
(4,541)	1:52:A:LEU:HD13	1:52:A:LEU:HG	18	0.32
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	16	0.32
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	16	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	1	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	2	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	3	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	4	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	5	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	6	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	7	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	8	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	9	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	10	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	11	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	12	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	13	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	14	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	15	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	16	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	17	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	18	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	19	0.32
(4,508)	1:48:A:SER:HB3	1:48:A:SER:HB2	20	0.32
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	4	0.32
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	4	0.32
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	20	0.32
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	20	0.32
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	4	0.32
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	4	0.32
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	20	0.32
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	20	0.32
(4,336)	1:25:A:THR:HB	1:25:A:THR:HA	15	0.32
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	5	0.32
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	5	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	2	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	5	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	6	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	8	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	11	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	13	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	14	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	15	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	18	0.32
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	20	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	9	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	9	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	9	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	9	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	11	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	11	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	11	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	11	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	13	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	13	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	13	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	13	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	14	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	14	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	14	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	14	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	20	0.32
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	20	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	20	0.32
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	20	0.32
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	12	0.32
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	12	0.32
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	12	0.32
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	18	0.32
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	18	0.32
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	20	0.32
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	20	0.32
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	20	0.31
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	20	0.31
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	10	0.31
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	10	0.31
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	15	0.31
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	15	0.31
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	15	0.31
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	15	0.31
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	15	0.31
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	15	0.31
(6,1345)	1:58:A:THR:H	1:58:A:THR:HB	9	0.31
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	20	0.31
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	9	0.31
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	9	0.31
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	9	0.31
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	9	0.31
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	14	0.31
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	14	0.31
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	14	0.31
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	14	0.31
(6,1270)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	12	0.31
(6,1270)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	12	0.31
(6,1270)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	12	0.31
(6,1270)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	12	0.31
(6,1269)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	12	0.31
(6,1269)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	12	0.31
(6,1269)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	12	0.31
(6,1269)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	12	0.31
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	1	0.31
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	1	0.31
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	17	0.31
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	17	0.31
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	10	0.31
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	11	0.31
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	15	0.31
(6,1037)	1:33:A:LYS:HG2	1:33:A:LYS:H	19	0.31
(6,1037)	1:33:A:LYS:HG3	1:33:A:LYS:H	19	0.31
(6,1021)	1:35:A:LEU:HA	1:36:A:LYS:H	20	0.31
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	5	0.31
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	5	0.31
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	13	0.31
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	13	0.31
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	19	0.31
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	19	0.31
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	16	0.31
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	1	0.31
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	9	0.31
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	19	0.31
(6,704)	1:93:A:SER:H	1:94:A:SER:H	3	0.31
(6,704)	1:93:A:SER:H	1:94:A:SER:H	13	0.31
(6,699)	1:93:A:SER:H	1:94:A:SER:H	3	0.31
(6,699)	1:93:A:SER:H	1:94:A:SER:H	13	0.31
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	3	0.31
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	8	0.31
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	12	0.31
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	12	0.31
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	17	0.31
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	17	0.31
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	11	0.31
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	11	0.31
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	11	0.31
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	11	0.31
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	6	0.31
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	20	0.31
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	20	0.31
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	1	0.31
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	1	0.31
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	1	0.31
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	7	0.31
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	7	0.31
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	7	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	1	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	5	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	7	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	9	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	10	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	12	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	14	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	15	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	16	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	17	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	19	0.31
(6,517)	1:96:A:THR:HA	1:96:A:THR:H	20	0.31
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	2	0.31
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	18	0.31
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	3	0.31
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	3	0.31
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	6	0.31
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	6	0.31
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	14	0.31
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	14	0.31
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	18	0.31
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	18	0.31
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	18	0.31
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	3	0.31
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	3	0.31
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	3	0.31
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	9	0.31
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	9	0.31
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	9	0.31
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	6	0.31
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	6	0.31
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	10	0.31
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	10	0.31
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	15	0.31
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	15	0.31
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	1	0.31
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	1	0.31
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	12	0.31
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	12	0.31
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	10	0.31
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	10	0.31
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	12	0.31
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	12	0.31
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	19	0.31
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	19	0.31
(6,109)	1:11:A:MET:HG2	1:12:A:VAL:H	4	0.31
(6,109)	1:11:A:MET:HG3	1:12:A:VAL:H	4	0.31
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	5	0.31
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	5	0.31
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	1	0.31
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	4	0.31
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	6	0.31
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	9	0.31
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	2	0.31
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	2	0.31
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	2	0.31
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	2	0.31
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	2	0.31
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	2	0.31
(4,3165)	1:37:A:PRO:HD2	1:36:A:LYS:HA	6	0.31
(4,3165)	1:37:A:PRO:HD3	1:36:A:LYS:HA	6	0.31
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD2	6	0.31
(4,3164)	1:36:A:LYS:HA	1:37:A:PRO:HD3	6	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	2	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	7	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	7	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	9	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	9	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	10	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	10	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	11	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	11	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	14	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	14	0.31
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	16	0.31
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	16	0.31
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	11	0.31
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	11	0.31
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	11	0.31
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	11	0.31
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	11	0.31
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	11	0.31
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	11	0.31
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	11	0.31
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	11	0.31
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	11	0.31
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	11	0.31
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	11	0.31
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	11	0.31
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	11	0.31
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	11	0.31
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	11	0.31
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	11	0.31
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	11	0.31
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	11	0.31
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	11	0.31
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	11	0.31
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	11	0.31
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	11	0.31
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	11	0.31
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	6	0.31
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	6	0.31
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	6	0.31
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	6	0.31
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	8	0.31
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	8	0.31
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	8	0.31
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	12	0.31
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	12	0.31
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	12	0.31
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	12	0.31
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	3	0.31
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	3	0.31
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	4	0.31
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	4	0.31
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	11	0.31
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	11	0.31
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	12	0.31
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	12	0.31
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	11	0.31
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	7	0.31
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	7	0.31
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	17	0.31
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	17	0.31
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	17	0.31
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	17	0.31
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	17	0.31
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	17	0.31
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	3	0.31
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	3	0.31
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	4	0.31
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	4	0.31
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	3	0.31
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	3	0.31
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	11	0.31
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	11	0.31
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	11	0.31
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	11	0.31
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	11	0.31
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	11	0.31
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	20	0.31
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	20	0.31
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	20	0.31
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	20	0.31
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	20	0.31
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	20	0.31
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	20	0.31
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	20	0.31
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	18	0.31
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	18	0.31
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	18	0.31
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	15	0.31
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	15	0.31
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	13	0.31
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	13	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	1	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	1	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	1	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	1	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	1	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	1	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	9	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	9	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	9	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	9	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	9	0.31
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	9	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	8	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	8	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	8	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	8	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	8	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	8	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	8	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	8	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	8	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	8	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	8	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	8	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	11	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	11	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	11	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	11	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	11	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	11	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	11	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	11	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	11	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	11	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	11	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	14	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	14	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	14	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	14	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	14	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	14	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	14	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	14	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	14	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	14	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	14	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	14	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	17	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	17	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	17	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	17	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	17	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	17	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	17	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	17	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	17	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	17	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	17	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	17	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	20	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	20	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	20	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	20	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	20	0.31
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	20	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	20	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	20	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	20	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	20	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	20	0.31
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	20	0.31
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	1	0.31
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	1	0.31
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	2	0.31
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	4	0.31
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	4	0.31
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	7	0.31
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	7	0.31
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	11	0.31
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	11	0.31
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	20	0.31
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	20	0.31
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	8	0.31
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	8	0.31
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	8	0.31
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	8	0.31
(4,2484)	1:111:A:LEU:HD22	1:102:A:HIS:HD1	11	0.31
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	3	0.31
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	3	0.31
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	18	0.31
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	18	0.31
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	12	0.31
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	12	0.31
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	6	0.31
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	6	0.31
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	6	0.31
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	6	0.31
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	6	0.31
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	6	0.31
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	6	0.31
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	6	0.31
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	6	0.31
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	6	0.31
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	6	0.31
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	6	0.31
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD11	20	0.31
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD12	20	0.31
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD13	20	0.31
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD11	20	0.31
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD12	20	0.31
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD13	20	0.31
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	11	0.31
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	11	0.31
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	11	0.31
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	18	0.31
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	18	0.31
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	18	0.31
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	18	0.31
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	18	0.31
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG21	15	0.31
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG22	15	0.31
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG23	15	0.31
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG21	15	0.31
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG22	15	0.31
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG23	15	0.31
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG21	15	0.31
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG22	15	0.31
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG23	15	0.31
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	15	0.31
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	1	0.31
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	19	0.31
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	19	0.31
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	19	0.31
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	19	0.31
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	19	0.31
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	19	0.31
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	10	0.31
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	10	0.31
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	10	0.31
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	10	0.31
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	3	0.31
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	3	0.31
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	3	0.31
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	3	0.31
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	3	0.31
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	3	0.31
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	3	0.31
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	3	0.31
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	3	0.31
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	3	0.31
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	3	0.31
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	3	0.31
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	6	0.31
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	6	0.31
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	6	0.31
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	7	0.31
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	7	0.31
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	9	0.31
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	9	0.31
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	9	0.31
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	9	0.31
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	7	0.31
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	16	0.31
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	18	0.31
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	9	0.31
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	11	0.31
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	9	0.31
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	9	0.31
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	9	0.31
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	9	0.31
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	9	0.31
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	9	0.31
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	9	0.31
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	9	0.31
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	9	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	2	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	2	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	2	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	2	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	9	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	9	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	9	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	9	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	17	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	17	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	17	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	17	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	19	0.31
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	19	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	19	0.31
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	19	0.31
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	11	0.31
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	11	0.31
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	2	0.31
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	2	0.31
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	7	0.31
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	14	0.31
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	14	0.31
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	2	0.31
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	15	0.31
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	15	0.31
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	15	0.31
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	15	0.31
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	15	0.31
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	15	0.31
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	15	0.31
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	15	0.31
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	15	0.31
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	11	0.31
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	11	0.31
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	11	0.31
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	11	0.31
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	11	0.31
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	11	0.31
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	11	0.31
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	11	0.31
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	11	0.31
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	11	0.31
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	11	0.31
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	11	0.31
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	11	0.31
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	11	0.31
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	11	0.31
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	11	0.31
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	11	0.31
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	11	0.31
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	6	0.31
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	6	0.31
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	6	0.31
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	6	0.31
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	6	0.31
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	6	0.31
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	6	0.31
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	10	0.31
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	10	0.31
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	10	0.31
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	10	0.31
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	10	0.31
(4,1755)	1:75:A:TRP:H	1:74:A:LEU:HA	10	0.31
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	16	0.31
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	16	0.31
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	4	0.31
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	4	0.31
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	4	0.31
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	4	0.31
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	4	0.31
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	4	0.31
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	4	0.31
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	4	0.31
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	4	0.31
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	4	0.31
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	4	0.31
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	4	0.31
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	5	0.31
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	5	0.31
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	5	0.31
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	5	0.31
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	5	0.31
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	5	0.31
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	5	0.31
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	5	0.31
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	5	0.31
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	5	0.31
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	5	0.31
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	5	0.31
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	8	0.31
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	8	0.31
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	8	0.31
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	8	0.31
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	8	0.31
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	8	0.31
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	8	0.31
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	8	0.31
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	8	0.31
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	8	0.31
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	8	0.31
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	8	0.31
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	14	0.31
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	14	0.31
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	14	0.31
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	14	0.31
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	14	0.31
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	14	0.31
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	14	0.31
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	14	0.31
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	14	0.31
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	14	0.31
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	14	0.31
(4,1643)	1:35:A:LEU:HA	1:36:A:LYS:H	20	0.31
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	2	0.31
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	2	0.31
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	2	0.31
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	2	0.31
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	2	0.31
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	2	0.31
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	2	0.31
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	2	0.31
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	2	0.31
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	2	0.31
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	2	0.31
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	2	0.31
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	2	0.31
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	2	0.31
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	2	0.31
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	2	0.31
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	2	0.31
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	2	0.31
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	14	0.31
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	14	0.31
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	14	0.31
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	14	0.31
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	14	0.31
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	14	0.31
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	5	0.31
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	5	0.31
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	5	0.31
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	6	0.31
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	6	0.31
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	6	0.31
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	6	0.31
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	6	0.31
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	6	0.31
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	6	0.31
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	6	0.31
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	6	0.31
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	6	0.31
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	6	0.31
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	6	0.31
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	6	0.31
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	6	0.31
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	6	0.31
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	6	0.31
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	6	0.31
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	10	0.31
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	10	0.31
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	10	0.31
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	10	0.31
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	10	0.31
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	10	0.31
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	10	0.31
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	10	0.31
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	10	0.31
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	10	0.31
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	10	0.31
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	10	0.31
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	10	0.31
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	10	0.31
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	10	0.31
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	10	0.31
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	10	0.31
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	10	0.31
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	8	0.31
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	8	0.31
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	8	0.31
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	8	0.31
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	1	0.31
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	1	0.31
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	4	0.31
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	6	0.31
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	9	0.31
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	9	0.31
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	9	0.31
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG2	18	0.31
(4,1426)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	18	0.31
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG2	18	0.31
(4,1426)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	18	0.31
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	10	0.31
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	10	0.31
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	10	0.31
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	10	0.31
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	10	0.31
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	10	0.31
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	10	0.31
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	10	0.31
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	10	0.31
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	10	0.31
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	10	0.31
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	10	0.31
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	10	0.31
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	10	0.31
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	10	0.31
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	10	0.31
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	10	0.31
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	10	0.31
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	14	0.31
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	14	0.31
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	14	0.31
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	14	0.31
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	3	0.31
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	3	0.31
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	3	0.31
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	3	0.31
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	3	0.31
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	12	0.31
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	12	0.31
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	12	0.31
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	12	0.31
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	14	0.31
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	14	0.31
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	14	0.31
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	14	0.31
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	19	0.31
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	19	0.31
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	19	0.31
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	2	0.31
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	2	0.31
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	13	0.31
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	3	0.31
(4,1214)	1:9:A:LYS:HD2	1:8:A:LEU:HA	7	0.31
(4,1214)	1:9:A:LYS:HD3	1:8:A:LEU:HA	7	0.31
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	10	0.31
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	10	0.31
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	10	0.31
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	13	0.31
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	13	0.31
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	13	0.31
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	3	0.31
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	3	0.31
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	18	0.31
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	18	0.31
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	18	0.31
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	18	0.31
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	18	0.31
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	18	0.31
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	4	0.31
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	18	0.31
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	18	0.31
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	18	0.31
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	18	0.31
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	17	0.31
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	17	0.31
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	17	0.31
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	17	0.31
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	17	0.31
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	17	0.31
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	17	0.31
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	17	0.31
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	2	0.31
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	3	0.31
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	6	0.31
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	7	0.31
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	14	0.31
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	20	0.31
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	14	0.31
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	14	0.31
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	17	0.31
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	17	0.31
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	14	0.31
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	14	0.31
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	17	0.31
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	17	0.31
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	12	0.31
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	12	0.31
(4,752)	1:86:A:ILE:HG12	1:86:A:ILE:HA	19	0.31
(4,752)	1:86:A:ILE:HG13	1:86:A:ILE:HA	19	0.31
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	16	0.31
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	16	0.31
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	1	0.31
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	8	0.31
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	13	0.31
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	17	0.31
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	16	0.31
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	16	0.31
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	12	0.31
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	12	0.31
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	12	0.31
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	12	0.31
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	8	0.31
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	8	0.31
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	11	0.31
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	11	0.31
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	19	0.31
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	19	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	3	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	4	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	7	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	9	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	10	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	12	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	16	0.31
(4,278)	1:18:A:ARG:HG3	1:18:A:ARG:HG2	19	0.31
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	3	0.31
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	3	0.31
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	3	0.31
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	10	0.31
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	10	0.31
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	10	0.31
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	10	0.31
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	16	0.31
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	16	0.31
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	16	0.31
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	16	0.31
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	1	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	1	0.31
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	2	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	2	0.31
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	3	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	3	0.31
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	8	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	8	0.31
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	9	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	9	0.31
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	19	0.31
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	19	0.31
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	12	0.31
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	12	0.31
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	12	0.31
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	12	0.31
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	12	0.31
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	12	0.31
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	7	0.31
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	14	0.3
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	14	0.3
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	17	0.3
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	17	0.3
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	14	0.3
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	14	0.3
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	14	0.3
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	14	0.3
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	17	0.3
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	7	0.3
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	7	0.3
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	11	0.3
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	11	0.3
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	8	0.3
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	8	0.3
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	8	0.3
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	8	0.3
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	8	0.3
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	11	0.3
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	11	0.3
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	15	0.3
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	15	0.3
(6,1239)	1:3:A:VAL:HB	1:3:A:VAL:H	11	0.3
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	18	0.3
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	18	0.3
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	18	0.3
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	18	0.3
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	18	0.3
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	18	0.3
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	12	0.3
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	12	0.3
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	4	0.3
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	3	0.3
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	3	0.3
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	9	0.3
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	9	0.3
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	1	0.3
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	6	0.3
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	19	0.3
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	7	0.3
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	7	0.3
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	5	0.3
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	5	0.3
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	7	0.3
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	7	0.3
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	20	0.3
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	20	0.3
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	5	0.3
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	8	0.3
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	1	0.3
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	1	0.3
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	2	0.3
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	2	0.3
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	4	0.3
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	7	0.3
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	7	0.3
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	19	0.3
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	19	0.3
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	11	0.3
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	11	0.3
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	11	0.3
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	11	0.3
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	11	0.3
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	11	0.3
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	14	0.3
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	14	0.3
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	15	0.3
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	15	0.3
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	14	0.3
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	14	0.3
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	15	0.3
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	15	0.3
(6,704)	1:93:A:SER:H	1:94:A:SER:H	2	0.3
(6,704)	1:93:A:SER:H	1:94:A:SER:H	12	0.3
(6,699)	1:93:A:SER:H	1:94:A:SER:H	2	0.3
(6,699)	1:93:A:SER:H	1:94:A:SER:H	12	0.3
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	6	0.3
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	8	0.3
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	18	0.3
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	18	0.3
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	18	0.3
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	18	0.3
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	11	0.3
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	11	0.3
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	16	0.3
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	16	0.3
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	14	0.3
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	1	0.3
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	4	0.3
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	7	0.3
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	13	0.3
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	15	0.3
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	15	0.3
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	3	0.3
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	8	0.3
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	2	0.3
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	2	0.3
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	13	0.3
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	13	0.3
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	13	0.3
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	17	0.3
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	17	0.3
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	17	0.3
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	18	0.3
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	18	0.3
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	18	0.3
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	20	0.3
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	20	0.3
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	20	0.3
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	7	0.3
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	7	0.3
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	9	0.3
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	9	0.3
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	19	0.3
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	19	0.3
(6,330)	1:134:A:VAL:HG21	1:133:A:VAL:H	5	0.3
(6,330)	1:134:A:VAL:HG22	1:133:A:VAL:H	5	0.3
(6,330)	1:134:A:VAL:HG23	1:133:A:VAL:H	5	0.3
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	3	0.3
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	3	0.3
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	3	0.3
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	15	0.3
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	15	0.3
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	3	0.3
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	10	0.3
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	10	0.3
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	11	0.3
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	11	0.3
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	7	0.3
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	14	0.3
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	15	0.3
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	17	0.3
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	18	0.3
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	6	0.3
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	6	0.3
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	6	0.3
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	16	0.3
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	16	0.3
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	16	0.3
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	16	0.3
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	6	0.3
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	6	0.3
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	6	0.3
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	6	0.3
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	2	0.3
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	2	0.3
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	2	0.3
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	2	0.3
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	14	0.3
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	14	0.3
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	14	0.3
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	14	0.3
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	12	0.3
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	12	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	1	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	2	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	3	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	4	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	5	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	6	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	7	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	8	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	9	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	10	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	11	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	12	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	13	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	14	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	15	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	16	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	17	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	18	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	19	0.3
(4,3056)	1:36:A:LYS:HD3	1:36:A:LYS:HD2	20	0.3
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE21	6	0.3
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE22	6	0.3
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	13	0.3
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	13	0.3
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	13	0.3
(4,2952)	1:20:A:LEU:HD11	1:81:A:PRO:HD2	8	0.3
(4,2952)	1:20:A:LEU:HD11	1:81:A:PRO:HD3	8	0.3
(4,2952)	1:20:A:LEU:HD12	1:81:A:PRO:HD2	8	0.3
(4,2952)	1:20:A:LEU:HD12	1:81:A:PRO:HD3	8	0.3
(4,2952)	1:20:A:LEU:HD13	1:81:A:PRO:HD2	8	0.3
(4,2952)	1:20:A:LEU:HD13	1:81:A:PRO:HD3	8	0.3
(4,2952)	1:20:A:LEU:HD21	1:81:A:PRO:HD2	8	0.3
(4,2952)	1:20:A:LEU:HD21	1:81:A:PRO:HD3	8	0.3
(4,2952)	1:20:A:LEU:HD22	1:81:A:PRO:HD2	8	0.3
(4,2952)	1:20:A:LEU:HD22	1:81:A:PRO:HD3	8	0.3
(4,2952)	1:20:A:LEU:HD23	1:81:A:PRO:HD2	8	0.3
(4,2952)	1:20:A:LEU:HD23	1:81:A:PRO:HD3	8	0.3
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	8	0.3
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	8	0.3
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	10	0.3
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	10	0.3
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	17	0.3
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	17	0.3
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	19	0.3
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	19	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	5	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	5	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	5	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	5	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	5	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	5	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	10	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	10	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	10	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	10	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	10	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	10	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	11	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	11	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	11	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	11	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	11	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	11	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	13	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	13	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	13	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	13	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	13	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	15	0.3
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	15	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	15	0.3
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	15	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	15	0.3
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	15	0.3
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	1	0.3
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	1	0.3
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	1	0.3
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	1	0.3
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	1	0.3
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	1	0.3
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	16	0.3
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	19	0.3
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	20	0.3
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	20	0.3
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	20	0.3
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	9	0.3
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	9	0.3
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	9	0.3
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	15	0.3
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	15	0.3
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	15	0.3
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	4	0.3
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	4	0.3
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	12	0.3
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	12	0.3
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	12	0.3
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	12	0.3
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	13	0.3
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	13	0.3
(4,2639)	1:125:A:LEU:HA	1:125:A:LEU:HG	20	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	16	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	16	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	16	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	16	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	16	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	16	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	16	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	16	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	16	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	16	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	16	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	19	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	19	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	19	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	19	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	19	0.3
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	19	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	19	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	19	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	19	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	19	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	19	0.3
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	19	0.3
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	5	0.3
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	5	0.3
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	5	0.3
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	5	0.3
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	5	0.3
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	5	0.3
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	2	0.3
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	2	0.3
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	2	0.3
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	2	0.3
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	2	0.3
(4,2553)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	2	0.3
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	2	0.3
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	2	0.3
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	2	0.3
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	2	0.3
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	2	0.3
(4,2553)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	2	0.3
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	10	0.3
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	10	0.3
(4,2526)	1:113:A:TYR:HE1	1:113:A:TYR:HA	15	0.3
(4,2526)	1:113:A:TYR:HE2	1:113:A:TYR:HA	15	0.3
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	5	0.3
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	5	0.3
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	5	0.3
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	5	0.3
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	5	0.3
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	6	0.3
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	6	0.3
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	13	0.3
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	13	0.3
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	9	0.3
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	9	0.3
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	9	0.3
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	9	0.3
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	9	0.3
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	9	0.3
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	9	0.3
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	9	0.3
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	9	0.3
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	9	0.3
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	9	0.3
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	9	0.3
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	15	0.3
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	15	0.3
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	15	0.3
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	15	0.3
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	15	0.3
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	15	0.3
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	11	0.3
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	13	0.3
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	16	0.3
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	6	0.3
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	6	0.3
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	16	0.3
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	16	0.3
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	6	0.3
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	6	0.3
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	16	0.3
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	16	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	14	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	14	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	14	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	14	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	14	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	15	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	15	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	15	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	15	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	15	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	15	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	17	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	17	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	17	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	17	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	17	0.3
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	17	0.3
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	1	0.3
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	1	0.3
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	6	0.3
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	6	0.3
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	15	0.3
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	15	0.3
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	1	0.3
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	1	0.3
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	6	0.3
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	6	0.3
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	15	0.3
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	15	0.3
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	5	0.3
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	5	0.3
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	5	0.3
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	5	0.3
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	8	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	12	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	12	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	12	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	12	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	12	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	12	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	12	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	12	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	12	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	12	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	12	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	14	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	14	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	14	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	14	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	14	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	14	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	14	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	14	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	14	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	14	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	14	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	14	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	17	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	17	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	17	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	17	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	17	0.3
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	17	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	17	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	17	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	17	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	17	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	17	0.3
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	17	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	15	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	15	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	15	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	18	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	18	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	18	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	19	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	19	0.3
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	19	0.3
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	9	0.3
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	13	0.3
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	14	0.3
(4,2077)	1:72:A:ILE:HA	1:73:A:CYS:H	15	0.3
(4,2062)	1:71:A:PRO:HA	1:58:A:THR:HA	8	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	1	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	1	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	1	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	3	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	3	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	3	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	3	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	4	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	4	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	4	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	4	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	5	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	5	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	5	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	5	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	8	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	8	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	8	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	8	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	10	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	10	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	10	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	10	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	11	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	11	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	11	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	11	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	12	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	12	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	12	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	12	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	13	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	13	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	13	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	13	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	14	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	14	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	14	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	14	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	15	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	15	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	15	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	15	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	16	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	16	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	16	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	18	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	18	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	18	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	18	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	20	0.3
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	20	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	20	0.3
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	20	0.3
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	1	0.3
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	1	0.3
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	3	0.3
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	3	0.3
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	17	0.3
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	17	0.3
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	18	0.3
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	18	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	1	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	1	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	4	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	4	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	18	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	18	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	19	0.3
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	19	0.3
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	9	0.3
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	11	0.3
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	2	0.3
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	2	0.3
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	5	0.3
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	13	0.3
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	15	0.3
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD21	11	0.3
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD22	11	0.3
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD23	11	0.3
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD21	11	0.3
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD22	11	0.3
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD23	11	0.3
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	17	0.3
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	17	0.3
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	12	0.3
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	12	0.3
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	12	0.3
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	12	0.3
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	12	0.3
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	12	0.3
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	12	0.3
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	12	0.3
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	12	0.3
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	12	0.3
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	12	0.3
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	13	0.3
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	13	0.3
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	13	0.3
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	13	0.3
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	13	0.3
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	13	0.3
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	13	0.3
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	13	0.3
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	13	0.3
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	13	0.3
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	13	0.3
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	13	0.3
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	14	0.3
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	14	0.3
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	14	0.3
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	14	0.3
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	14	0.3
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	14	0.3
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	14	0.3
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	14	0.3
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	14	0.3
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	14	0.3
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	14	0.3
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	14	0.3
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	8	0.3
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	8	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	1	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	1	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	1	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	1	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	1	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	1	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	1	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	1	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	1	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	1	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	1	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	1	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	1	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	1	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	1	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	1	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	1	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	9	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	9	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	9	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	9	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	9	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	9	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	9	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	9	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	9	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	9	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	9	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	9	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	9	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	9	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	9	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	9	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	9	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	9	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	20	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	20	0.3
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	20	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	20	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	20	0.3
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	20	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	20	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	20	0.3
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	20	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	20	0.3
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	20	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	20	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	20	0.3
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	20	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	20	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	20	0.3
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	20	0.3
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	14	0.3
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	14	0.3
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	14	0.3
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	14	0.3
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	14	0.3
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	14	0.3
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	14	0.3
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	14	0.3
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	14	0.3
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	15	0.3
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	15	0.3
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	4	0.3
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	4	0.3
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	14	0.3
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	14	0.3
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	19	0.3
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	19	0.3
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	2	0.3
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	2	0.3
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	2	0.3
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	2	0.3
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	2	0.3
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	2	0.3
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	17	0.3
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	17	0.3
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	17	0.3
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	17	0.3
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	17	0.3
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	17	0.3
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	4	0.3
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	4	0.3
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	4	0.3
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	4	0.3
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	4	0.3
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	20	0.3
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	20	0.3
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	20	0.3
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	20	0.3
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	20	0.3
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	20	0.3
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	20	0.3
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	20	0.3
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	20	0.3
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	20	0.3
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	20	0.3
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	20	0.3
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	20	0.3
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	20	0.3
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	20	0.3
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	20	0.3
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	20	0.3
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	20	0.3
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	15	0.3
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	15	0.3
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	15	0.3
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	15	0.3
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	15	0.3
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	15	0.3
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	17	0.3
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	1	0.3
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	2	0.3
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	10	0.3
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	13	0.3
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	15	0.3
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	16	0.3
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	16	0.3
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	16	0.3
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	16	0.3
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	19	0.3
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	19	0.3
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	19	0.3
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	19	0.3
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	8	0.3
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	8	0.3
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	7	0.3
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	19	0.3
(4,1149)	1:143:A:SER:HB2	1:143:A:SER:HA	7	0.3
(4,1149)	1:143:A:SER:HB3	1:143:A:SER:HA	7	0.3
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB2	7	0.3
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB3	7	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	1	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	2	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	3	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	4	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	5	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	6	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	7	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	8	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	9	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	10	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	11	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	12	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	13	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	14	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	15	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	16	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	17	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	18	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	19	0.3
(4,1129)	1:136:A:GLY:HA2	1:136:A:GLY:HA3	20	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	1	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	2	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	3	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	4	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	5	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	6	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	7	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	8	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	9	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	10	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	11	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	12	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	13	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	14	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	15	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	16	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	18	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	19	0.3
(4,1128)	1:136:A:GLY:HA3	1:136:A:GLY:HA2	20	0.3
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	17	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	6	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	6	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	6	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	6	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	6	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	6	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	8	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	8	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	8	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	8	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	8	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	8	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	10	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	10	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	10	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	10	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	10	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	10	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	11	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	11	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	11	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	11	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	11	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	11	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	13	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	13	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	13	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	13	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	13	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	13	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	18	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	18	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	18	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	18	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	18	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	18	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	20	0.3
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	20	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	20	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	20	0.3
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	20	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	3	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	3	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	17	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	17	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	20	0.3
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	20	0.3
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	1	0.3
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	1	0.3
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	19	0.3
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	19	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	1	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	2	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	3	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	5	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	8	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	9	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	10	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	11	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	12	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	14	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	15	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	17	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	19	0.3
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	20	0.3
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	2	0.3
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	2	0.3
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	13	0.3
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	13	0.3
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	2	0.3
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	2	0.3
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	13	0.3
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	13	0.3
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	8	0.3
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	8	0.3
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	8	0.3
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	8	0.3
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	8	0.3
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	8	0.3
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	8	0.3
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	14	0.3
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	14	0.3
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	14	0.3
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	14	0.3
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	8	0.3
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	8	0.3
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	8	0.3
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	8	0.3
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	12	0.3
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	12	0.3
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	12	0.3
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	12	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	3	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	5	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	8	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	10	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	11	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	12	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	13	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	14	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	15	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	16	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	17	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	19	0.3
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	20	0.3
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	8	0.3
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	8	0.3
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	8	0.3
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	8	0.3
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	8	0.3
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	8	0.3
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG12	18	0.3
(4,897)	1:109:A:ILE:HG21	1:109:A:ILE:HG13	18	0.3
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG12	18	0.3
(4,897)	1:109:A:ILE:HG22	1:109:A:ILE:HG13	18	0.3
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG12	18	0.3
(4,897)	1:109:A:ILE:HG23	1:109:A:ILE:HG13	18	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	1	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	4	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	8	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	9	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	10	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	11	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	12	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	13	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	15	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	16	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	18	0.3
(4,835)	1:97:A:ILE:HG13	1:97:A:ILE:HG12	19	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	2	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	3	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	4	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	6	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	7	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	9	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	10	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	12	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	15	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	16	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	19	0.3
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	20	0.3
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	5	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	9	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	10	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	11	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	12	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	13	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	16	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	17	0.3
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	19	0.3
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	14	0.3
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	14	0.3
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	14	0.3
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	14	0.3
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	14	0.3
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	14	0.3
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	14	0.3
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	14	0.3
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	14	0.3
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	14	0.3
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	14	0.3
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	14	0.3
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	14	0.3
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	14	0.3
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	14	0.3
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	14	0.3
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	14	0.3
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	14	0.3
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	14	0.3
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	14	0.3
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	14	0.3
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	14	0.3
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	14	0.3
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	14	0.3
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	14	0.3
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	14	0.3
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	14	0.3
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	14	0.3
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	14	0.3
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	14	0.3
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	14	0.3
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	14	0.3
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	14	0.3
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	14	0.3
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	14	0.3
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	14	0.3
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	14	0.3
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	14	0.3
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	14	0.3
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	14	0.3
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	14	0.3
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	14	0.3
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	14	0.3
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	14	0.3
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	14	0.3
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	14	0.3
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	14	0.3
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	14	0.3
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	14	0.3
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	14	0.3
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	14	0.3
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	14	0.3
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	14	0.3
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	14	0.3
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	14	0.3
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	14	0.3
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	14	0.3
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	14	0.3
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG2	14	0.3
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG3	14	0.3
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	7	0.3
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	7	0.3
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	7	0.3
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	7	0.3
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	18	0.3
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	18	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	1	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	2	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	3	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	5	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	6	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	7	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	8	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	9	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	10	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	12	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	13	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	14	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	15	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	16	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	17	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	18	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	19	0.3
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	20	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	1	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	2	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	3	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	5	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	6	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	7	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	8	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	9	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	12	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	13	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	14	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	15	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	16	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	17	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	18	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	19	0.3
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	20	0.3
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	3	0.3
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	3	0.3
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	6	0.3
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	6	0.3
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	3	0.3
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	3	0.3
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	6	0.3
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	6	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	1	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	2	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	3	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	4	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	5	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	6	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	8	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	12	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	15	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	16	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	17	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	18	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	19	0.3
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	20	0.3
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	5	0.3
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	5	0.3
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	5	0.3
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	6	0.3
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	6	0.3
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	14	0.3
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	14	0.3
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	15	0.3
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	15	0.3
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	13	0.3
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	13	0.3
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	13	0.3
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	13	0.3
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	13	0.3
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	13	0.3
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	13	0.3
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	10	0.3
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	10	0.3
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	10	0.3
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	10	0.3
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	10	0.3
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	10	0.3
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	13	0.3
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	13	0.3
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	13	0.3
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	13	0.3
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	7	0.3
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	7	0.3
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	7	0.3
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	7	0.3
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	15	0.3
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	15	0.3
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	1	0.3
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	1	0.3
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	1	0.3
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	1	0.3
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	17	0.3
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	17	0.3
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	17	0.3
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	17	0.3
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	19	0.3
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	19	0.3
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	19	0.3
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	19	0.3
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	19	0.3
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	19	0.3
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	19	0.3
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	14	0.3
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	14	0.3
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	14	0.3
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	14	0.3
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD2	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD3	17	0.3
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD2	17	0.3
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD3	17	0.3
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	7	0.3
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	7	0.3
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	14	0.3
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	14	0.3
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	17	0.3
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	17	0.3
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	7	0.3
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	7	0.3
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	7	0.3
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	7	0.3
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	7	0.3
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	7	0.3
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	8	0.3
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	8	0.3
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	8	0.3
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	8	0.3
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	8	0.3
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	8	0.3
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	9	0.3
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	9	0.3
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	9	0.3
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	9	0.3
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	9	0.3
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	9	0.3
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	15	0.3
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	15	0.3
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	15	0.3
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	15	0.3
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	15	0.3
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	15	0.3
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	12	0.3
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	12	0.3
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	9	0.3
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	9	0.3
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	9	0.3
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	9	0.3
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	17	0.3
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	17	0.3
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	18	0.3
(1,39)	1:50:A:ARG:O	1:42:A:TYR:H	2	0.3
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	5	0.29
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	5	0.29
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	12	0.29
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	12	0.29
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	12	0.29
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	12	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	1	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	1	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	1	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	1	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	2	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	2	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	2	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	2	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	3	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	3	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	3	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	3	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	4	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	4	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	4	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	4	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	5	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	5	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	5	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	5	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	6	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	6	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	6	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	6	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	7	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	7	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	7	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	7	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	8	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	8	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	8	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	8	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	9	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	9	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	9	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	10	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	10	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	10	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	10	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	11	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	11	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	11	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	11	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	12	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	12	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	12	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	12	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	13	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	13	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	13	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	13	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	14	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	14	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	14	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	14	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	15	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	15	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	15	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	15	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	16	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	16	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	16	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	16	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	17	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	17	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	17	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	17	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	18	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	18	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	18	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	18	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	19	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	19	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	19	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD1	20	0.29
(8,44)	1:80:A:TYR:HE1	1:80:A:TYR:HD2	20	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD1	20	0.29
(8,44)	1:80:A:TYR:HE2	1:80:A:TYR:HD2	20	0.29
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	6	0.29
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	6	0.29
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	6	0.29
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	6	0.29
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	8	0.29
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	8	0.29
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	8	0.29
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	8	0.29
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	11	0.29
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	11	0.29
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	18	0.29
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	8	0.29
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	8	0.29
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	20	0.29
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	20	0.29
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	7	0.29
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	7	0.29
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	7	0.29
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	7	0.29
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	7	0.29
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	7	0.29
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	16	0.29
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	16	0.29
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	16	0.29
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	16	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	1	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	1	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	1	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	1	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	6	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	6	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	6	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	6	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	10	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	10	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	10	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	10	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	11	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	11	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	11	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	12	0.29
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	12	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	12	0.29
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	12	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	1	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	2	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	3	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	4	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	5	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	6	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	7	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	8	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	9	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	10	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	11	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	12	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	13	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	14	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	15	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	16	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	17	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	18	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	19	0.29
(6,1282)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	20	0.29
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	11	0.29
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	11	0.29
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	11	0.29
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	11	0.29
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	9	0.29
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	9	0.29
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	5	0.29
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	5	0.29
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	7	0.29
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	7	0.29
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	8	0.29
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	8	0.29
(6,1252)	1:14:A:LYS:HG2	1:15:A:TYR:H	13	0.29
(6,1252)	1:14:A:LYS:HG3	1:15:A:TYR:H	13	0.29
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	9	0.29
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	9	0.29
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	9	0.29
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	9	0.29
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	9	0.29
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	6	0.29
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	18	0.29
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	7	0.29
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	8	0.29
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	17	0.29
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	19	0.29
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	19	0.29
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	6	0.29
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	6	0.29
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	15	0.29
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	15	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	9	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	9	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	12	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	12	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	14	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	14	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	15	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	15	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	17	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	17	0.29
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	20	0.29
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	20	0.29
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	13	0.29
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	13	0.29
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	12	0.29
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	12	0.29
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	12	0.29
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	8	0.29
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	7	0.29
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	7	0.29
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	7	0.29
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	7	0.29
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	3	0.29
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	3	0.29
(6,704)	1:93:A:SER:H	1:94:A:SER:H	14	0.29
(6,704)	1:93:A:SER:H	1:94:A:SER:H	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,699)	1:93:A:SER:H	1:94:A:SER:H	14	0.29
(6,699)	1:93:A:SER:H	1:94:A:SER:H	18	0.29
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	3	0.29
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	11	0.29
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	10	0.29
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	6	0.29
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	6	0.29
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	6	0.29
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	6	0.29
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	16	0.29
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	16	0.29
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	18	0.29
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	18	0.29
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	18	0.29
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	12	0.29
(6,500)	1:118:A:LYS:H	1:117:A:TRP:H	19	0.29
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	4	0.29
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	4	0.29
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	20	0.29
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	20	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	7	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	7	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	7	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	14	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	14	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	14	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	19	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	19	0.29
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	19	0.29
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	12	0.29
(6,372)	1:127:A:LEU:H	1:130:A:VAL:H	14	0.29
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	6	0.29
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	6	0.29
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	6	0.29
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	10	0.29
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	10	0.29
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	10	0.29
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	4	0.29
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	4	0.29
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	13	0.29
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	13	0.29
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	18	0.29
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	18	0.29
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	8	0.29
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	8	0.29
(6,230)	1:23:A:ARG:HA	1:22:A:VAL:H	13	0.29
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	7	0.29
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	7	0.29
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	8	0.29
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	8	0.29
(6,125)	1:51:A:GLU:HG2	1:13:A:SER:H	13	0.29
(6,125)	1:51:A:GLU:HG3	1:13:A:SER:H	13	0.29
(6,109)	1:11:A:MET:HG2	1:12:A:VAL:H	13	0.29
(6,109)	1:11:A:MET:HG3	1:12:A:VAL:H	13	0.29
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	8	0.29
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	8	0.29
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	16	0.29
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	16	0.29
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	16	0.29
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	18	0.29
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	18	0.29
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	18	0.29
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	8	0.29
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	8	0.29
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	8	0.29
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	8	0.29
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	8	0.29
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	8	0.29
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	7	0.29
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	7	0.29
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	7	0.29
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	7	0.29
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	7	0.29
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	7	0.29
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	7	0.29
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	7	0.29
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	7	0.29
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	7	0.29
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	7	0.29
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	7	0.29
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	7	0.29
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	7	0.29
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	7	0.29
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	7	0.29
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	7	0.29
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	7	0.29
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	7	0.29
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	7	0.29
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	7	0.29
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	7	0.29
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	7	0.29
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	3	0.29
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	3	0.29
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	3	0.29
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	3	0.29
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	13	0.29
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	13	0.29
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	13	0.29
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	13	0.29
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	3	0.29
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	3	0.29
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	3	0.29
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	3	0.29
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	13	0.29
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	13	0.29
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	13	0.29
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	13	0.29
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	3	0.29
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	3	0.29
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	3	0.29
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	3	0.29
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	13	0.29
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	13	0.29
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	13	0.29
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	13	0.29
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG2	3	0.29
(4,2998)	1:81:A:PRO:HD2	1:81:A:PRO:HG3	3	0.29
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG2	3	0.29
(4,2998)	1:81:A:PRO:HD3	1:81:A:PRO:HG3	3	0.29
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	3	0.29
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	3	0.29
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	3	0.29
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	3	0.29
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	13	0.29
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	13	0.29
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	13	0.29
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	3	0.29
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	3	0.29
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	3	0.29
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	3	0.29
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	13	0.29
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	13	0.29
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	13	0.29
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	13	0.29
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	15	0.29
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	15	0.29
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	6	0.29
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	6	0.29
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	1	0.29
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	1	0.29
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	1	0.29
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	1	0.29
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	1	0.29
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	1	0.29
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	4	0.29
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	4	0.29
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	4	0.29
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	4	0.29
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	4	0.29
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	4	0.29
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	19	0.29
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	19	0.29
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	19	0.29
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	19	0.29
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	19	0.29
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	19	0.29
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	6	0.29
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	6	0.29
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	20	0.29
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	20	0.29
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	8	0.29
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	8	0.29
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	8	0.29
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	5	0.29
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	5	0.29
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	5	0.29
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	5	0.29
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	5	0.29
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	15	0.29
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	15	0.29
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	15	0.29
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	15	0.29
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	15	0.29
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	15	0.29
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	6	0.29
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	16	0.29
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	4	0.29
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	15	0.29
(4,2758)	1:134:A:VAL:HG11	1:131:A:MET:HA	12	0.29
(4,2758)	1:134:A:VAL:HG12	1:131:A:MET:HA	12	0.29
(4,2758)	1:134:A:VAL:HG13	1:131:A:MET:HA	12	0.29
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	7	0.29
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	7	0.29
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	7	0.29
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	7	0.29
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	7	0.29
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	7	0.29
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	1	0.29
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	1	0.29
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	1	0.29
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	1	0.29
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	16	0.29
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	16	0.29
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	16	0.29
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	16	0.29
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	7	0.29
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	7	0.29
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	10	0.29
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	10	0.29
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	14	0.29
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	14	0.29
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	14	0.29
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	14	0.29
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	14	0.29
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	14	0.29
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	14	0.29
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	14	0.29
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	14	0.29
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	14	0.29
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	14	0.29
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	2	0.29
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	2	0.29
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	4	0.29
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	4	0.29
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	4	0.29
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	4	0.29
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	4	0.29
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	4	0.29
(4,2484)	1:111:A:LEU:HD23	1:102:A:HIS:HD1	15	0.29
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	14	0.29
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	14	0.29
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	14	0.29
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	11	0.29
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	11	0.29
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	11	0.29
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	11	0.29
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	11	0.29
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	11	0.29
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	11	0.29
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	11	0.29
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	11	0.29
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	11	0.29
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	11	0.29
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	11	0.29
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	3	0.29
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	3	0.29
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	3	0.29
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	3	0.29
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	3	0.29
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	3	0.29
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	3	0.29
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	3	0.29
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	3	0.29
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	3	0.29
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	3	0.29
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	3	0.29
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	17	0.29
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	17	0.29
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	17	0.29
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	17	0.29
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	17	0.29
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	17	0.29
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	17	0.29
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	17	0.29
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	17	0.29
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	17	0.29
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	17	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	9	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	9	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	9	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	9	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	9	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	9	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	10	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	10	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	10	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	10	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	10	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	10	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	18	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	18	0.29
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	18	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	18	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	18	0.29
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	18	0.29
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	8	0.29
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	2	0.29
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	19	0.29
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	19	0.29
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	19	0.29
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	19	0.29
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	19	0.29
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	19	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	4	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	4	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	4	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	4	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	4	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	9	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	9	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	9	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	9	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	9	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	9	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	19	0.29
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	19	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	19	0.29
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	19	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	19	0.29
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	19	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	2	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	2	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	5	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	5	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	7	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	7	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	10	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	10	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	12	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	12	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	15	0.29
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	15	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	2	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	2	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	5	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	5	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	7	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	7	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	10	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	10	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	12	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	12	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	15	0.29
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	15	0.29
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	1	0.29
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	1	0.29
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	18	0.29
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	18	0.29
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	7	0.29
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	7	0.29
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	7	0.29
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	7	0.29
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	15	0.29
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	15	0.29
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	15	0.29
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	15	0.29
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.29
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.29
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	1	0.29
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	1	0.29
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	17	0.29
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	17	0.29
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	15	0.29
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.29
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.29
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	2	0.29
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	4	0.29
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	5	0.29
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	15	0.29
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	15	0.29
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	15	0.29
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	15	0.29
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	6	0.29
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	6	0.29
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	6	0.29
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	6	0.29
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	7	0.29
(4,2012)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	7	0.29
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	7	0.29
(4,2012)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	7	0.29
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	7	0.29
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	7	0.29
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	4	0.29
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	4	0.29
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	9	0.29
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	9	0.29
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	14	0.29
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	14	0.29
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	8	0.29
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	12	0.29
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	16	0.29
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	19	0.29
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	20	0.29
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	1	0.29
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	1	0.29
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	8	0.29
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	8	0.29
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	10	0.29
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	10	0.29
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	10	0.29
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	10	0.29
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	10	0.29
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	10	0.29
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	10	0.29
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	10	0.29
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	10	0.29
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	4	0.29
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	4	0.29
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	4	0.29
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	4	0.29
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	4	0.29
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	4	0.29
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	4	0.29
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	4	0.29
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	4	0.29
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	4	0.29
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	4	0.29
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	4	0.29
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	4	0.29
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	4	0.29
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	4	0.29
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	4	0.29
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	4	0.29
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	4	0.29
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	15	0.29
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	15	0.29
(4,1808)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	15	0.29
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	15	0.29
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	15	0.29
(4,1808)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	15	0.29
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	15	0.29
(4,1808)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	15	0.29
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	15	0.29
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	15	0.29
(4,1808)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	15	0.29
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	15	0.29
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	15	0.29
(4,1808)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	15	0.29
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	15	0.29
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	15	0.29
(4,1808)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	15	0.29
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	9	0.29
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	9	0.29
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	12	0.29
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	12	0.29
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	12	0.29
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	12	0.29
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	12	0.29
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	12	0.29
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	17	0.29
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	17	0.29
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	17	0.29
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	17	0.29
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	17	0.29
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	17	0.29
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	19	0.29
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	19	0.29
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	19	0.29
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	19	0.29
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	19	0.29
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	19	0.29
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	4	0.29
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	4	0.29
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	4	0.29
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	5	0.29
(4,1686)	1:11:A:MET:HA	1:39:A:LEU:HD21	2	0.29
(4,1686)	1:11:A:MET:HA	1:39:A:LEU:HD22	2	0.29
(4,1686)	1:11:A:MET:HA	1:39:A:LEU:HD23	2	0.29
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	10	0.29
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	10	0.29
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	10	0.29
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	10	0.29
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	10	0.29
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	10	0.29
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	10	0.29
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	10	0.29
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	10	0.29
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	10	0.29
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	10	0.29
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	11	0.29
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	11	0.29
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	11	0.29
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	11	0.29
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	11	0.29
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	11	0.29
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	11	0.29
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	11	0.29
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	1	0.29
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	6	0.29
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	16	0.29
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	16	0.29
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	16	0.29
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	16	0.29
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	16	0.29
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	16	0.29
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	16	0.29
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	16	0.29
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	16	0.29
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	16	0.29
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	16	0.29
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	16	0.29
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	16	0.29
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	16	0.29
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	16	0.29
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	16	0.29
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	16	0.29
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	16	0.29
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	17	0.29
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	17	0.29
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	17	0.29
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	17	0.29
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	17	0.29
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	17	0.29
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	17	0.29
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	17	0.29
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	17	0.29
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	17	0.29
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	17	0.29
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	17	0.29
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	17	0.29
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	17	0.29
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	17	0.29
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	17	0.29
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	17	0.29
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	12	0.29
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	12	0.29
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	12	0.29
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	7	0.29
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	7	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	1	0.29
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	1	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	6	0.29
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	6	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	7	0.29
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	7	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	11	0.29
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	11	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	13	0.29
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	13	0.29
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	15	0.29
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	15	0.29
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	3	0.29
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	3	0.29
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	3	0.29
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	3	0.29
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	3	0.29
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	3	0.29
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	19	0.29
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	19	0.29
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	19	0.29
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	19	0.29
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	19	0.29
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	19	0.29
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	19	0.29
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	19	0.29
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	8	0.29
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	8	0.29
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	8	0.29
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	13	0.29
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	13	0.29
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	13	0.29
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	19	0.29
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	19	0.29
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	19	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	2	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	2	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	2	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	2	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	2	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	2	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	13	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	13	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	13	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	13	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	13	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	13	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	16	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	16	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	16	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	16	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	16	0.29
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	16	0.29
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	9	0.29
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	9	0.29
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	9	0.29
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	9	0.29
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	9	0.29
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	9	0.29
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	9	0.29
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	9	0.29
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	9	0.29
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	9	0.29
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	9	0.29
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	9	0.29
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	9	0.29
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	9	0.29
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	9	0.29
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	9	0.29
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	9	0.29
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	11	0.29
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	11	0.29
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	11	0.29
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	11	0.29
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	11	0.29
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	11	0.29
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	11	0.29
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	11	0.29
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	11	0.29
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	11	0.29
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	11	0.29
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	11	0.29
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	11	0.29
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	11	0.29
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	11	0.29
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	11	0.29
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	11	0.29
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	11	0.29
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	6	0.29
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	3	0.29
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	7	0.29
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	18	0.29
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	3	0.29
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	3	0.29
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	3	0.29
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	3	0.29
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	3	0.29
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	3	0.29
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	3	0.29
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	3	0.29
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	3	0.29
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	3	0.29
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	3	0.29
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	3	0.29
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	3	0.29
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	3	0.29
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	3	0.29
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	3	0.29
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	3	0.29
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	11	0.29
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	11	0.29
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	11	0.29
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	11	0.29
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	11	0.29
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	11	0.29
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	11	0.29
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	11	0.29
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	11	0.29
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	11	0.29
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	11	0.29
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	11	0.29
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	11	0.29
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	11	0.29
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	11	0.29
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	11	0.29
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	11	0.29
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	11	0.29
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	5	0.29
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	5	0.29
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	5	0.29
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	5	0.29
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	5	0.29
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	5	0.29
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	16	0.29
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	16	0.29
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	16	0.29
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	16	0.29
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	17	0.29
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	17	0.29
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	17	0.29
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	17	0.29
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	1	0.29
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	1	0.29
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	1	0.29
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	1	0.29
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	1	0.29
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	1	0.29
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	12	0.29
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	12	0.29
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	12	0.29
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	12	0.29
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	12	0.29
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	12	0.29
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	8	0.29
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	7	0.29
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	7	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	1	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	1	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	1	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	1	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	1	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	1	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	2	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	2	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	2	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	2	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	2	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	2	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	3	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	3	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	3	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	3	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	3	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	3	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	4	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	4	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	4	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	4	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	4	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	4	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	7	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	7	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	7	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	7	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	7	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	7	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	9	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	9	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	9	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	9	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	9	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	12	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	12	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	12	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	12	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	12	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	12	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	14	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	14	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	14	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	14	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	14	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	14	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	16	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	16	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	16	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	16	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	16	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	16	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	17	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	17	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	17	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	17	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	17	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	17	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	19	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	19	0.29
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	19	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	19	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	19	0.29
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	19	0.29
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD11	7	0.29
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD12	7	0.29
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD13	7	0.29
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD21	7	0.29
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD22	7	0.29
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD23	7	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	1	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	1	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	1	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	1	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	1	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	2	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	2	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	2	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	2	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	2	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	2	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	3	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	3	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	3	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	3	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	3	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	3	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	4	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	4	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	4	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	4	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	4	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	4	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	5	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	5	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	5	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	5	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	5	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	5	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	6	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	6	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	6	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	6	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	6	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	6	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	8	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	8	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	8	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	8	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	8	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	8	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	9	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	9	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	9	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	9	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	9	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	11	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	11	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	11	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	11	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	11	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	11	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	13	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	13	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	13	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	13	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	13	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	13	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	15	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	15	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	15	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	15	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	15	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	15	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	16	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	16	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	16	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	16	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	16	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	16	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	17	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	17	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	17	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	17	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	17	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	17	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	19	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	19	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	19	0.29
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	19	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	19	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	19	0.29
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	20	0.29
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	20	0.29
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	20	0.29
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	20	0.29
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	20	0.29
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	4	0.29
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	4	0.29
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	4	0.29
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	4	0.29
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	4	0.29
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	4	0.29
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	6	0.29
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	7	0.29
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	13	0.29
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	16	0.29
(4,967)	1:124:A:LEU:HB3	1:124:A:LEU:HB2	18	0.29
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	1	0.29
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	1	0.29
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	17	0.29
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	17	0.29
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	1	0.29
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	1	0.29
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	17	0.29
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	17	0.29
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	20	0.29
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	20	0.29
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	20	0.29
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	20	0.29
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	20	0.29
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	20	0.29
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	20	0.29
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	20	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	1	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	2	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	4	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	6	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	7	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	9	0.29
(4,920)	1:116:A:GLU:HB3	1:116:A:GLU:HB2	18	0.29
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	2	0.29
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	2	0.29
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	2	0.29
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	2	0.29
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	2	0.29
(4,886)	1:106:A:ASN:HB2	1:106:A:ASN:HA	2	0.29
(4,886)	1:106:A:ASN:HB3	1:106:A:ASN:HA	2	0.29
(4,886)	1:106:A:ASN:HB2	1:106:A:ASN:HA	5	0.29
(4,886)	1:106:A:ASN:HB3	1:106:A:ASN:HA	5	0.29
(4,886)	1:106:A:ASN:HB2	1:106:A:ASN:HA	14	0.29
(4,886)	1:106:A:ASN:HB3	1:106:A:ASN:HA	14	0.29
(4,886)	1:106:A:ASN:HB2	1:106:A:ASN:HA	16	0.29
(4,886)	1:106:A:ASN:HB3	1:106:A:ASN:HA	16	0.29
(4,886)	1:106:A:ASN:HB2	1:106:A:ASN:HA	20	0.29
(4,886)	1:106:A:ASN:HB3	1:106:A:ASN:HA	20	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB2	2	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB3	2	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB2	5	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB3	5	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB2	14	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB3	14	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB2	16	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB3	16	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB2	20	0.29
(4,885)	1:106:A:ASN:HA	1:106:A:ASN:HB3	20	0.29
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	13	0.29
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	13	0.29
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	4	0.29
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	4	0.29
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	12	0.29
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	12	0.29
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	4	0.29
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	4	0.29
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	12	0.29
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	12	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	1	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	2	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	3	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	5	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	6	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	7	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	8	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	9	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	10	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	11	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	15	0.29
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	17	0.29
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	20	0.29
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	20	0.29
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	11	0.29
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	14	0.29
(4,725)	1:72:A:ILE:HB	1:72:A:ILE:HA	18	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	1	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	2	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	3	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	4	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	5	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	6	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	7	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	8	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	14	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	15	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	18	0.29
(4,676)	1:78:A:ASP:HB2	1:78:A:ASP:HB3	20	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	1	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	1	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	1	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	1	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	1	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	1	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	1	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	1	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	1	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	1	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	1	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	1	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	2	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	2	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	2	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	2	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	2	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	2	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	2	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	2	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	2	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	2	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	2	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	3	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	3	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	3	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	3	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	3	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	3	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	3	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	3	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	3	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	3	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	3	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	3	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	5	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	5	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	5	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	5	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	5	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	5	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	5	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	5	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	5	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	5	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	5	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	5	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	8	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	8	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	8	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	8	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	8	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	8	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	8	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	8	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	8	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	8	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	8	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	8	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	9	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	9	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	9	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	9	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	9	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	9	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	9	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	9	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	9	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	9	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	9	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	17	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	17	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	17	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	17	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	17	0.29
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	17	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	17	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	17	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	17	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	17	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	17	0.29
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	17	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	1	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	1	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	1	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	1	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	1	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	1	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	1	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	1	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	1	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	1	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	1	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	1	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	2	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	2	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	2	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	2	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	2	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	2	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	2	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	2	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	2	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	2	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	2	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	3	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	3	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	3	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	3	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	3	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	3	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	3	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	3	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	3	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	3	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	3	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	3	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	5	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	5	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	5	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	5	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	5	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	5	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	5	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	5	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	5	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	5	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	5	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	5	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	8	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	8	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	8	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	8	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	8	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	8	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	8	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	8	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	8	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	8	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	8	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	8	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	9	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	9	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	9	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	9	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	9	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	9	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	9	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	9	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	9	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	9	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	9	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	17	0.29
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	17	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	17	0.29
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	17	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	17	0.29
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	17	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	17	0.29
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	17	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	17	0.29
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	17	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	17	0.29
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	17	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	1	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	1	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	1	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	1	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	1	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	1	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	1	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	1	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	1	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	1	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	1	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	1	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	2	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	2	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	2	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	2	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	2	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	2	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	2	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	2	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	2	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	2	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	2	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	3	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	3	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	3	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	3	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	3	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	3	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	3	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	3	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	3	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	3	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	3	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	3	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	5	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	5	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	5	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	5	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	5	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	5	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	5	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	5	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	5	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	5	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	5	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	5	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	8	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	8	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	8	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	8	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	8	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	8	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	8	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	8	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	8	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	8	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	8	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	8	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	9	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	9	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	9	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	9	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	9	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	9	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	9	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	9	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	9	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	9	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	9	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	17	0.29
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	17	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	17	0.29
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	17	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	17	0.29
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	17	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	17	0.29
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	17	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	17	0.29
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	17	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	17	0.29
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	17	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	1	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	1	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	1	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	1	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	1	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	1	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	1	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	1	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	1	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	1	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	1	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	1	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	2	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	2	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	2	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	2	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	2	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	2	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	2	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	2	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	2	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	2	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	2	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	3	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	3	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	3	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	3	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	3	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	3	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	3	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	3	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	3	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	3	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	3	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	3	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	5	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	5	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	5	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	5	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	5	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	5	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	5	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	5	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	5	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	5	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	5	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	5	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	8	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	8	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	8	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	8	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	8	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	8	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	8	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	8	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	8	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	8	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	8	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	8	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	9	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	9	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	9	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	9	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	9	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	9	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	9	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	9	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	9	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	9	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	9	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	17	0.29
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	17	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	17	0.29
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	17	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	17	0.29
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	17	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	17	0.29
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	17	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	17	0.29
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	17	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	17	0.29
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	17	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	1	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	1	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	1	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	1	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	1	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	1	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	1	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	1	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	1	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	1	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	1	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	1	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	2	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	2	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	2	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	2	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	2	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	2	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	2	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	2	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	2	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	2	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	2	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	3	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	3	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	3	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	3	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	3	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	3	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	3	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	3	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	3	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	3	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	3	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	3	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	5	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	5	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	5	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	5	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	5	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	5	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	5	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	5	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	5	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	5	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	5	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	5	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	8	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	8	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	8	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	8	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	8	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	8	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	8	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	8	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	8	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	8	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	8	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	8	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	9	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	9	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	9	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	9	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	9	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	9	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	9	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	9	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	9	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	9	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	9	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	17	0.29
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	17	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	17	0.29
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	17	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	17	0.29
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	17	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	17	0.29
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	17	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	17	0.29
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	17	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	17	0.29
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	17	0.29
(4,648)	1:76:A:LEU:HD11	1:76:A:LEU:HA	16	0.29
(4,648)	1:76:A:LEU:HD12	1:76:A:LEU:HA	16	0.29
(4,648)	1:76:A:LEU:HD13	1:76:A:LEU:HA	16	0.29
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG2	5	0.29
(4,586)	1:62:A:PRO:HA	1:62:A:PRO:HG3	5	0.29
(4,529)	1:52:A:LEU:HD21	1:52:A:LEU:HA	14	0.29
(4,529)	1:52:A:LEU:HD22	1:52:A:LEU:HA	14	0.29
(4,529)	1:52:A:LEU:HD23	1:52:A:LEU:HA	14	0.29
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	6	0.29
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	6	0.29
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	4	0.29
(4,503)	1:46:A:ASP:HB2	1:46:A:ASP:HB3	11	0.29
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	4	0.29
(4,502)	1:46:A:ASP:HB3	1:46:A:ASP:HB2	11	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	1	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	1	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	8	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	8	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	13	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	13	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	15	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	15	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	17	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	19	0.29
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	19	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	1	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	1	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	8	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	8	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	13	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	13	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	15	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	15	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	17	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	17	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	19	0.29
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	19	0.29
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	7	0.29
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	9	0.29
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	10	0.29
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	11	0.29
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	13	0.29
(4,494)	1:44:A:PHE:HB3	1:44:A:PHE:HB2	14	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	11	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	11	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	11	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	12	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	12	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	12	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	15	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	15	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	15	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	19	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	19	0.29
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	19	0.29
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	17	0.29
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	17	0.29
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	17	0.29
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	17	0.29
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	2	0.29
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	2	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	5	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	5	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	5	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	8	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	8	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	8	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	8	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	14	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	14	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	14	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	14	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	18	0.29
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	18	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	18	0.29
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	18	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	5	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	5	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	5	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	5	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	8	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	8	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	8	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	8	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	14	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	14	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	14	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	14	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	18	0.29
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	18	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	18	0.29
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	18	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	5	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	5	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	5	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	5	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	8	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	8	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	8	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	8	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	14	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	14	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	14	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	14	0.29
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	18	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	18	0.29
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	18	0.29
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	11	0.29
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	11	0.29
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	11	0.29
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	11	0.29
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	17	0.29
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	17	0.29
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	17	0.29
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	17	0.29
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	18	0.29
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	18	0.29
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB2	4	0.29
(4,124)	1:85:A:PRO:HD2	1:85:A:PRO:HB3	4	0.29
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB2	4	0.29
(4,124)	1:85:A:PRO:HD3	1:85:A:PRO:HB3	4	0.29
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	2	0.29
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	2	0.29
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	2	0.29
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	2	0.29
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	2	0.29
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	2	0.29
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	10	0.29
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	10	0.29
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	10	0.29
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	10	0.29
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	10	0.29
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	10	0.29
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	11	0.29
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	11	0.29
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	11	0.29
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	11	0.29
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	12	0.29
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	12	0.29
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	12	0.29
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	12	0.29
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	13	0.29
(8,76)	1:42:A:TYR:HD1	1:75:A:TRP:HH2	4	0.28
(8,76)	1:42:A:TYR:HD2	1:75:A:TRP:HH2	4	0.28
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	6	0.28
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	2	0.28
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	2	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	1	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	1	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	1	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	1	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	2	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	2	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	2	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	2	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	3	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	3	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	3	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	3	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	4	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	4	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	4	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	4	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	5	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	5	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	5	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	5	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	7	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	7	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	7	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	7	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	9	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	9	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	9	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	9	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	10	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	10	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	10	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	10	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	11	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	11	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	11	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	11	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	12	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	12	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	12	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	13	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	13	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	13	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	13	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	14	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	14	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	14	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	14	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	15	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	15	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	15	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	15	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	16	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	16	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	16	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	16	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	17	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	17	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	17	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	17	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	18	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	18	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	18	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	18	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	19	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	19	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	19	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	19	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE1	20	0.28
(8,18)	1:15:A:TYR:HD1	1:15:A:TYR:HE2	20	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE1	20	0.28
(8,18)	1:15:A:TYR:HD2	1:15:A:TYR:HE2	20	0.28
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	2	0.28
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	2	0.28
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	2	0.28
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	2	0.28
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	2	0.28
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	2	0.28
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	2	0.28
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	2	0.28
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	11	0.28
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	11	0.28
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	11	0.28
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	11	0.28
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	11	0.28
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	19	0.28
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	19	0.28
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	8	0.28
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	8	0.28
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	8	0.28
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	8	0.28
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	6	0.28
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	6	0.28
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	6	0.28
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	6	0.28
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	16	0.28
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	16	0.28
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	16	0.28
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	16	0.28
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	3	0.28
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	3	0.28
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	13	0.28
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	13	0.28
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	11	0.28
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	11	0.28
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	2	0.28
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	2	0.28
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	19	0.28
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	5	0.28
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	11	0.28
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	14	0.28
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	17	0.28
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	17	0.28
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	3	0.28
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	3	0.28
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	5	0.28
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	5	0.28
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	6	0.28
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	6	0.28
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	11	0.28
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	11	0.28
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	13	0.28
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG2	9	0.28
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG3	9	0.28
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	7	0.28
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	7	0.28
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	14	0.28
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	14	0.28
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	2	0.28
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	2	0.28
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	2	0.28
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	2	0.28
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	11	0.28
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	11	0.28
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	14	0.28
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	14	0.28
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	15	0.28
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	15	0.28
(6,704)	1:93:A:SER:H	1:94:A:SER:H	8	0.28
(6,704)	1:93:A:SER:H	1:94:A:SER:H	15	0.28
(6,699)	1:93:A:SER:H	1:94:A:SER:H	8	0.28
(6,699)	1:93:A:SER:H	1:94:A:SER:H	15	0.28
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	18	0.28
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	13	0.28
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	9	0.28
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	9	0.28
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	12	0.28
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	12	0.28
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	18	0.28
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	14	0.28
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	14	0.28
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	20	0.28
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	20	0.28
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	18	0.28
(6,516)	1:77:A:LEU:HG	1:78:A:ASP:H	7	0.28
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	17	0.28
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	17	0.28
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	17	0.28
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	8	0.28
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	8	0.28
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	5	0.28
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	5	0.28
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	5	0.28
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	11	0.28
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	11	0.28
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	18	0.28
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	18	0.28
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	4	0.28
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	6	0.28
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	8	0.28
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	15	0.28
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	15	0.28
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	15	0.28
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	17	0.28
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	17	0.28
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	17	0.28
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	9	0.28
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	9	0.28
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	13	0.28
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	13	0.28
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	15	0.28
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	15	0.28
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	1	0.28
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	1	0.28
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	6	0.28
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	6	0.28
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	7	0.28
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	7	0.28
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	13	0.28
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	13	0.28
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	3	0.28
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	3	0.28
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	16	0.28
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	2	0.28
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	2	0.28
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	16	0.28
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	16	0.28
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	16	0.28
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	11	0.28
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	11	0.28
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	11	0.28
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	11	0.28
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	11	0.28
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	11	0.28
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	1	0.28
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	1	0.28
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	1	0.28
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	4	0.28
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	4	0.28
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	4	0.28
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	4	0.28
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	19	0.28
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	19	0.28
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	19	0.28
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	19	0.28
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB2	13	0.28
(4,3067)	1:114:A:LEU:HD11	1:117:A:TRP:HB3	13	0.28
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB2	13	0.28
(4,3067)	1:114:A:LEU:HD12	1:117:A:TRP:HB3	13	0.28
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB2	13	0.28
(4,3067)	1:114:A:LEU:HD13	1:117:A:TRP:HB3	13	0.28
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB2	13	0.28
(4,3067)	1:114:A:LEU:HD21	1:117:A:TRP:HB3	13	0.28
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB2	13	0.28
(4,3067)	1:114:A:LEU:HD22	1:117:A:TRP:HB3	13	0.28
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB2	13	0.28
(4,3067)	1:114:A:LEU:HD23	1:117:A:TRP:HB3	13	0.28
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD11	13	0.28
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD12	13	0.28
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD13	13	0.28
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD21	13	0.28
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD22	13	0.28
(4,3066)	1:117:A:TRP:HB2	1:114:A:LEU:HD23	13	0.28
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD11	13	0.28
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD12	13	0.28
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD13	13	0.28
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD21	13	0.28
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD22	13	0.28
(4,3066)	1:117:A:TRP:HB3	1:114:A:LEU:HD23	13	0.28
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	6	0.28
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	6	0.28
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	6	0.28
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	6	0.28
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	7	0.28
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	7	0.28
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	7	0.28
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	18	0.28
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	18	0.28
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	18	0.28
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	18	0.28
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	6	0.28
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	6	0.28
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	6	0.28
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	6	0.28
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	7	0.28
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	7	0.28
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	7	0.28
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	7	0.28
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	18	0.28
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	18	0.28
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	18	0.28
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	18	0.28
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	6	0.28
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	6	0.28
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	6	0.28
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	6	0.28
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	7	0.28
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	7	0.28
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	7	0.28
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	7	0.28
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	18	0.28
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	18	0.28
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	18	0.28
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	18	0.28
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	6	0.28
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	6	0.28
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	6	0.28
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	6	0.28
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	7	0.28
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	7	0.28
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	7	0.28
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	7	0.28
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	18	0.28
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	18	0.28
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	18	0.28
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	18	0.28
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	6	0.28
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	6	0.28
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	6	0.28
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	7	0.28
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	7	0.28
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	7	0.28
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	7	0.28
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	18	0.28
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	18	0.28
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	18	0.28
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	18	0.28
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	15	0.28
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	15	0.28
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	9	0.28
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	9	0.28
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	18	0.28
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	18	0.28
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	8	0.28
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	6	0.28
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	6	0.28
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	6	0.28
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	6	0.28
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	6	0.28
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	6	0.28
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	2	0.28
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	2	0.28
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	13	0.28
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	13	0.28
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	19	0.28
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	19	0.28
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	19	0.28
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	19	0.28
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	19	0.28
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	19	0.28
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	1	0.28
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	2	0.28
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	14	0.28
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	17	0.28
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	17	0.28
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	17	0.28
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	7	0.28
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	7	0.28
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	7	0.28
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	7	0.28
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	7	0.28
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	7	0.28
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	7	0.28
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	7	0.28
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	13	0.28
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	13	0.28
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	13	0.28
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	2	0.28
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	2	0.28
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	2	0.28
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	2	0.28
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	2	0.28
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	2	0.28
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	19	0.28
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	19	0.28
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	18	0.28
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	18	0.28
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	7	0.28
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	7	0.28
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	13	0.28
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	13	0.28
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	15	0.28
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	15	0.28
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	7	0.28
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	7	0.28
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	13	0.28
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	13	0.28
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	15	0.28
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	15	0.28
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	12	0.28
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	12	0.28
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	12	0.28
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	12	0.28
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	9	0.28
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	9	0.28
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	20	0.28
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	20	0.28
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	20	0.28
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	20	0.28
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	20	0.28
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	20	0.28
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	20	0.28
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	20	0.28
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	20	0.28
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	20	0.28
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	20	0.28
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	11	0.28
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	11	0.28
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	11	0.28
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	11	0.28
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	11	0.28
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	11	0.28
(4,2522)	1:116:A:GLU:HG2	1:113:A:TYR:HA	9	0.28
(4,2522)	1:116:A:GLU:HG3	1:113:A:TYR:HA	9	0.28
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	12	0.28
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	12	0.28
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	12	0.28
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	12	0.28
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	12	0.28
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	12	0.28
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	12	0.28
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	12	0.28
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	12	0.28
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	12	0.28
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	12	0.28
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	12	0.28
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	14	0.28
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	14	0.28
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	14	0.28
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	14	0.28
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	14	0.28
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	14	0.28
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	14	0.28
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	14	0.28
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	14	0.28
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	20	0.28
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	20	0.28
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	20	0.28
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	20	0.28
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	20	0.28
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	20	0.28
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	20	0.28
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	20	0.28
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	13	0.28
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	13	0.28
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	13	0.28
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	13	0.28
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	13	0.28
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	13	0.28
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	15	0.28
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	15	0.28
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	15	0.28
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	15	0.28
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	15	0.28
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	15	0.28
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	19	0.28
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	19	0.28
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	19	0.28
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	19	0.28
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	19	0.28
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	19	0.28
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	6	0.28
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	6	0.28
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	6	0.28
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	6	0.28
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	6	0.28
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	6	0.28
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	6	0.28
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	15	0.28
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	15	0.28
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	15	0.28
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	15	0.28
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	15	0.28
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	15	0.28
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	7	0.28
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	7	0.28
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	7	0.28
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	7	0.28
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	7	0.28
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	7	0.28
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	7	0.28
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	7	0.28
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	7	0.28
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	7	0.28
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	7	0.28
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	9	0.28
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	9	0.28
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	9	0.28
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	9	0.28
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	9	0.28
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	9	0.28
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	9	0.28
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	9	0.28
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	9	0.28
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	9	0.28
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	9	0.28
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	9	0.28
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	12	0.28
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	6	0.28
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	17	0.28
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	20	0.28
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	5	0.28
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	5	0.28
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	12	0.28
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	12	0.28
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	17	0.28
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	9	0.28
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	12	0.28
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	3	0.28
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	3	0.28
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	12	0.28
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	12	0.28
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	13	0.28
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	13	0.28
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	3	0.28
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	3	0.28
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	12	0.28
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	12	0.28
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	13	0.28
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	13	0.28
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	17	0.28
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	17	0.28
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	17	0.28
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	17	0.28
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	7	0.28
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	3	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	1	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	3	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	11	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	12	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	18	0.28
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	19	0.28
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	12	0.28
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	1	0.28
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	1	0.28
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	1	0.28
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	18	0.28
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	18	0.28
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	18	0.28
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	6	0.28
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	6	0.28
(4,1918)	1:60:A:PRO:HB2	1:61:A:VAL:H	12	0.28
(4,1918)	1:60:A:PRO:HB3	1:61:A:VAL:H	12	0.28
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	6	0.28
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	9	0.28
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	4	0.28
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	4	0.28
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	7	0.28
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	14	0.28
(4,1851)	1:59:A:ILE:H	1:58:A:THR:HB	18	0.28
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	5	0.28
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	5	0.28
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	10	0.28
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	10	0.28
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	13	0.28
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	13	0.28
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	20	0.28
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	20	0.28
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	20	0.28
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	20	0.28
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	20	0.28
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	20	0.28
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	20	0.28
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	20	0.28
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	5	0.28
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	5	0.28
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	5	0.28
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	5	0.28
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	5	0.28
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	5	0.28
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	18	0.28
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	18	0.28
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	18	0.28
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	18	0.28
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	18	0.28
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	18	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	1	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	1	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	1	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	2	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	2	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	2	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	3	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	3	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	3	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	5	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	5	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	5	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	7	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	7	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	7	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	12	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	12	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	12	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	15	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	15	0.28
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	15	0.28
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	4	0.28
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	4	0.28
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	4	0.28
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	4	0.28
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	4	0.28
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	4	0.28
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1710)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	15	0.28
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	15	0.28
(4,1710)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	15	0.28
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	15	0.28
(4,1710)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	15	0.28
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	4	0.28
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	4	0.28
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	4	0.28
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	4	0.28
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	4	0.28
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	4	0.28
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	7	0.28
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	10	0.28
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	20	0.28
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	9	0.28
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	9	0.28
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	9	0.28
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	9	0.28
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	9	0.28
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	9	0.28
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	9	0.28
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	9	0.28
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	9	0.28
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	9	0.28
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	9	0.28
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	9	0.28
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	19	0.28
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	19	0.28
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	19	0.28
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	19	0.28
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	19	0.28
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	19	0.28
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	19	0.28
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	19	0.28
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	19	0.28
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	19	0.28
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	19	0.28
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	19	0.28
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	4	0.28
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	4	0.28
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	4	0.28
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	4	0.28
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	4	0.28
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	4	0.28
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	4	0.28
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	4	0.28
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	4	0.28
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	4	0.28
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	4	0.28
(4,1640)	1:57:A:GLY:HA2	1:35:A:LEU:HA	18	0.28
(4,1640)	1:57:A:GLY:HA3	1:35:A:LEU:HA	18	0.28
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	1	0.28
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	1	0.28
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	1	0.28
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	1	0.28
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	1	0.28
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	1	0.28
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	1	0.28
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	1	0.28
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	12	0.28
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	12	0.28
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	13	0.28
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	13	0.28
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	19	0.28
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	19	0.28
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	3	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	3	0.28
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	5	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	5	0.28
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	9	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	9	0.28
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	16	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	16	0.28
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	17	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	17	0.28
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	20	0.28
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	20	0.28
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	18	0.28
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	18	0.28
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	18	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	7	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	7	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	11	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	11	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	11	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	19	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	19	0.28
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	19	0.28
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	10	0.28
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	10	0.28
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	10	0.28
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	10	0.28
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	10	0.28
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	10	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	6	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	6	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	6	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	6	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	6	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	6	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	19	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	19	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	19	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	19	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	19	0.28
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	19	0.28
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	10	0.28
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	10	0.28
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	10	0.28
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	10	0.28
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	10	0.28
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	10	0.28
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	14	0.28
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	14	0.28
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	14	0.28
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	14	0.28
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	14	0.28
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	14	0.28
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	3	0.28
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	8	0.28
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	19	0.28
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	1	0.28
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	1	0.28
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	1	0.28
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB2	17	0.28
(4,1407)	1:17:A:TYR:HB2	1:20:A:LEU:HB3	17	0.28
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB2	17	0.28
(4,1407)	1:17:A:TYR:HB3	1:20:A:LEU:HB3	17	0.28
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	15	0.28
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	15	0.28
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	15	0.28
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	15	0.28
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	5	0.28
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	5	0.28
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	5	0.28
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	5	0.28
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	11	0.28
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	11	0.28
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	11	0.28
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	11	0.28
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB2	19	0.28
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB3	19	0.28
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	11	0.28
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	16	0.28
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	16	0.28
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	16	0.28
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	9	0.28
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	10	0.28
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	5	0.28
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	5	0.28
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	5	0.28
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	5	0.28
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	5	0.28
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	5	0.28
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG21	15	0.28
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG22	15	0.28
(4,1097)	1:132:A:ILE:HG12	1:132:A:ILE:HG23	15	0.28
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG21	15	0.28
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG22	15	0.28
(4,1097)	1:132:A:ILE:HG13	1:132:A:ILE:HG23	15	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	7	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	7	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	8	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	8	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	11	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	12	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	12	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	13	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	13	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	14	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	14	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	15	0.28
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	15	0.28
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	7	0.28
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	7	0.28
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	7	0.28
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	7	0.28
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	7	0.28
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	7	0.28
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	10	0.28
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	10	0.28
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	10	0.28
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	10	0.28
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	10	0.28
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	10	0.28
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	12	0.28
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	12	0.28
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	12	0.28
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	12	0.28
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	12	0.28
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	12	0.28
(4,989)	1:125:A:LEU:HD11	1:125:A:LEU:HG	14	0.28
(4,989)	1:125:A:LEU:HD12	1:125:A:LEU:HG	14	0.28
(4,989)	1:125:A:LEU:HD13	1:125:A:LEU:HG	14	0.28
(4,989)	1:125:A:LEU:HD21	1:125:A:LEU:HG	14	0.28
(4,989)	1:125:A:LEU:HD22	1:125:A:LEU:HG	14	0.28
(4,989)	1:125:A:LEU:HD23	1:125:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	1	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	1	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	1	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	1	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	1	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	1	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	2	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	2	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	2	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	2	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	2	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	3	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	3	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	3	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	3	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	3	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	3	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	5	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	5	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	5	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	5	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	5	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	5	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	6	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	6	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	6	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	6	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	6	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	6	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	7	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	7	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	7	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	7	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	7	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	7	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	8	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	8	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	8	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	8	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	8	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	8	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	9	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	9	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	9	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	9	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	9	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	9	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	10	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	10	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	10	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	10	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	10	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	11	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	11	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	11	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	11	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	11	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	11	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	12	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	12	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	12	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	12	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	12	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	12	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	13	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	13	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	13	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	13	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	13	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	13	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	14	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	15	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	15	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	15	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	15	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	15	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	15	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	16	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	16	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	16	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	16	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	16	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	16	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	17	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	17	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	17	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	17	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	17	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	18	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	18	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	18	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	18	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	18	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	18	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	19	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	19	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	19	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	19	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	19	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	19	0.28
(4,979)	1:124:A:LEU:HD11	1:124:A:LEU:HG	20	0.28
(4,979)	1:124:A:LEU:HD12	1:124:A:LEU:HG	20	0.28
(4,979)	1:124:A:LEU:HD13	1:124:A:LEU:HG	20	0.28
(4,979)	1:124:A:LEU:HD21	1:124:A:LEU:HG	20	0.28
(4,979)	1:124:A:LEU:HD22	1:124:A:LEU:HG	20	0.28
(4,979)	1:124:A:LEU:HD23	1:124:A:LEU:HG	20	0.28
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	4	0.28
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	4	0.28
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	6	0.28
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	6	0.28
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	12	0.28
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	12	0.28
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	4	0.28
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	4	0.28
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	6	0.28
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	6	0.28
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	12	0.28
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	12	0.28
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	3	0.28
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	3	0.28
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	5	0.28
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	5	0.28
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	8	0.28
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	8	0.28
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	3	0.28
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	3	0.28
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	5	0.28
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	8	0.28
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	8	0.28
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	3	0.28
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	3	0.28
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	5	0.28
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	5	0.28
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	8	0.28
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	8	0.28
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	3	0.28
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	3	0.28
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	5	0.28
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	5	0.28
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	8	0.28
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	8	0.28
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	9	0.28
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	9	0.28
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	9	0.28
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	9	0.28
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	19	0.28
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	19	0.28
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	19	0.28
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	19	0.28
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	5	0.28
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	5	0.28
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	5	0.28
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	5	0.28
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	9	0.28
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	9	0.28
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	9	0.28
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	9	0.28
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	18	0.28
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	18	0.28
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	18	0.28
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	18	0.28
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	9	0.28
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	9	0.28
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	9	0.28
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	9	0.28
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	19	0.28
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	19	0.28
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	19	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	3	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	3	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	3	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	3	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	3	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	3	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	10	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	10	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	10	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	10	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	10	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	10	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	14	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	14	0.28
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	14	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	14	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	14	0.28
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	14	0.28
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	3	0.28
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	3	0.28
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	19	0.28
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	19	0.28
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	19	0.28
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	19	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	4	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	12	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	14	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	16	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	18	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	19	0.28
(4,783)	1:91:A:PRO:HB2	1:91:A:PRO:HB3	20	0.28
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	19	0.28
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	19	0.28
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	19	0.28
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	19	0.28
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	19	0.28
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	19	0.28
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	3	0.28
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	3	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	1	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	4	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	7	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	9	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	12	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	15	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	18	0.28
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	20	0.28
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	13	0.28
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	13	0.28
(4,692)	1:83:A:ASN:HB2	1:83:A:ASN:HA	5	0.28
(4,692)	1:83:A:ASN:HB3	1:83:A:ASN:HA	5	0.28
(4,691)	1:83:A:ASN:HB2	1:83:A:ASN:HA	5	0.28
(4,691)	1:83:A:ASN:HB3	1:83:A:ASN:HA	5	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	6	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	6	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	6	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	6	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	6	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	6	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	6	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	6	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	6	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	6	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	6	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	6	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	7	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	7	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	7	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	7	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	7	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	7	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	7	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	7	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	7	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	7	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	7	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	7	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	12	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	12	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	12	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	12	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	12	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	12	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	12	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	12	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	12	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	12	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	12	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	13	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	13	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	13	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	13	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	13	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	13	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	13	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	13	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	13	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	13	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	13	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	13	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	18	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	18	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	18	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	18	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	18	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	18	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	18	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	18	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	18	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	18	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	18	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	18	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	19	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	19	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	19	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	19	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	19	0.28
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	19	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	19	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	19	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	19	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	19	0.28
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	19	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	6	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	6	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	6	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	6	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	6	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	6	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	6	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	6	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	6	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	6	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	6	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	6	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	7	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	7	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	7	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	7	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	7	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	7	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	7	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	7	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	7	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	7	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	7	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	7	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	12	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	12	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	12	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	12	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	12	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	12	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	12	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	12	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	12	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	13	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	13	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	13	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	13	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	13	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	13	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	13	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	13	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	13	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	13	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	13	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	18	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	18	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	18	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	18	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	18	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	18	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	18	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	18	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	18	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	18	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	18	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	18	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	19	0.28
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	19	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	19	0.28
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	19	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	19	0.28
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	19	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	19	0.28
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	19	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	19	0.28
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	19	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	19	0.28
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	19	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	6	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	6	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	6	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	6	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	6	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	6	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	6	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	6	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	6	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	6	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	6	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	7	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	7	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	7	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	7	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	7	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	7	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	7	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	7	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	7	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	7	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	7	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	7	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	12	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	12	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	12	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	12	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	12	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	12	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	12	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	12	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	12	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	13	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	13	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	13	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	13	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	13	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	13	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	13	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	13	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	13	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	13	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	13	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	13	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	18	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	18	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	18	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	18	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	18	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	18	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	18	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	18	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	18	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	18	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	18	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	19	0.28
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	19	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	19	0.28
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	19	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	19	0.28
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	19	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	19	0.28
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	19	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	19	0.28
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	19	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	19	0.28
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	19	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	6	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	6	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	6	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	6	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	6	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	6	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	6	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	6	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	6	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	6	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	6	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	6	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	7	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	7	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	7	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	7	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	7	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	7	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	7	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	7	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	7	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	7	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	7	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	12	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	12	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	12	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	12	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	12	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	12	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	12	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	12	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	12	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	13	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	13	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	13	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	13	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	13	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	13	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	13	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	13	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	13	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	13	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	13	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	13	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	18	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	18	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	18	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	18	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	18	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	18	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	18	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	18	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	18	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	18	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	18	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	18	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	19	0.28
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	19	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	19	0.28
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	19	0.28
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	19	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	19	0.28
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	19	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	19	0.28
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	19	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	19	0.28
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	19	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	6	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	6	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	6	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	6	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	6	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	6	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	6	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	6	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	6	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	6	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	6	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	6	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	7	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	7	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	7	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	7	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	7	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	7	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	7	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	7	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	7	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	7	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	7	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	7	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	12	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	12	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	12	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	12	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	12	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	12	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	12	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	12	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	12	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	12	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	12	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	13	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	13	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	13	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	13	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	13	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	13	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	13	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	13	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	13	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	13	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	13	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	13	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	18	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	18	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	18	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	18	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	18	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	18	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	18	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	18	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	18	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	18	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	18	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	18	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	19	0.28
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	19	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	19	0.28
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	19	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	19	0.28
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	19	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	19	0.28
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	19	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	19	0.28
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	19	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	19	0.28
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	19	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	2	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	2	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	3	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	3	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	6	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	7	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	7	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	9	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	9	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	12	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	12	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	15	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	15	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	16	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	16	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	18	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	18	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	19	0.28
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	19	0.28
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	1	0.28
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	1	0.28
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	17	0.28
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	17	0.28
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	1	0.28
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	1	0.28
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	17	0.28
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	17	0.28
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	6	0.28
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	6	0.28
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	7	0.28
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	7	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	3	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	3	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	3	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	7	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	7	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	7	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	9	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	9	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	9	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	10	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	10	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	10	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	17	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	17	0.28
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	2	0.28
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	2	0.28
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	4	0.28
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	4	0.28
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	5	0.28
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	5	0.28
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	12	0.28
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	12	0.28
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	2	0.28
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	2	0.28
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	4	0.28
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	4	0.28
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	5	0.28
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	5	0.28
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	12	0.28
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	12	0.28
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	6	0.28
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	6	0.28
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	6	0.28
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	6	0.28
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	17	0.28
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	17	0.28
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	17	0.28
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	17	0.28
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	6	0.28
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	6	0.28
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	6	0.28
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	6	0.28
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	17	0.28
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	17	0.28
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	17	0.28
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	17	0.28
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	6	0.28
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	6	0.28
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	6	0.28
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	6	0.28
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	17	0.28
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	17	0.28
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	17	0.28
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	17	0.28
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	15	0.28
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	15	0.28
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	15	0.28
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	12	0.28
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	12	0.28
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	16	0.28
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	16	0.28
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	17	0.28
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	17	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	10	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	10	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	10	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	16	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	16	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	16	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	19	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	19	0.28
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	19	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	2	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	2	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	2	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	2	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	2	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	2	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	6	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	6	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	6	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	6	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	6	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	6	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	7	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	7	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	7	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	7	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	7	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	7	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	12	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	12	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	12	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	12	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	12	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	12	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	13	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	13	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	13	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	13	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	13	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	15	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	15	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	15	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	15	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	15	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	15	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	19	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	19	0.28
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	19	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	19	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	19	0.28
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	19	0.28
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	9	0.28
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	9	0.28
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	9	0.28
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	4	0.28
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	4	0.28
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	4	0.28
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	4	0.28
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	4	0.28
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	4	0.28
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	6	0.28
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	6	0.28
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	6	0.28
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	6	0.28
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	6	0.28
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	6	0.28
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	14	0.28
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	14	0.28
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	14	0.28
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	14	0.28
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	14	0.28
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	14	0.28
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	16	0.28
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	16	0.28
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	16	0.28
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	16	0.28
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	16	0.28
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	20	0.28
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	20	0.28
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	20	0.28
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	20	0.28
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	20	0.28
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	20	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	4	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	4	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	4	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	4	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	5	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	5	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	5	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	5	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	14	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	14	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	14	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	14	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	19	0.28
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	19	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	19	0.28
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	19	0.28
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	19	0.28
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	19	0.28
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	19	0.28
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	19	0.28
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	19	0.28
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	19	0.28
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	19	0.28
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	19	0.28
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	19	0.28
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	19	0.28
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	19	0.28
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	19	0.28
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	19	0.28
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	19	0.28
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	19	0.28
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	19	0.28
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	19	0.28
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	19	0.28
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	19	0.28
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	19	0.28
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	19	0.28
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	19	0.28
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	19	0.28
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	19	0.28
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	19	0.28
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	19	0.28
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	19	0.28
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	19	0.28
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	19	0.28
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	19	0.28
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	19	0.28
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	19	0.28
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	19	0.28
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	19	0.28
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	19	0.28
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	10	0.28
(8,29)	1:82:A:TYR:HD1	1:17:A:TYR:HE1	8	0.27
(8,29)	1:82:A:TYR:HD1	1:17:A:TYR:HE2	8	0.27
(8,29)	1:82:A:TYR:HD2	1:17:A:TYR:HE1	8	0.27
(8,29)	1:82:A:TYR:HD2	1:17:A:TYR:HE2	8	0.27
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	14	0.27
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	14	0.27
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	1	0.27
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	1	0.27
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	1	0.27
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	1	0.27
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	1	0.27
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	1	0.27
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	6	0.27
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	6	0.27
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	6	0.27
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	6	0.27
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	6	0.27
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	6	0.27
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	10	0.27
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	10	0.27
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	10	0.27
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	10	0.27
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	10	0.27
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	16	0.27
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	16	0.27
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	16	0.27
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	16	0.27
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	16	0.27
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	16	0.27
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	17	0.27
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	17	0.27
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	17	0.27
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	17	0.27
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	17	0.27
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	17	0.27
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	11	0.27
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	11	0.27
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	11	0.27
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	2	0.27
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	2	0.27
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	2	0.27
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	2	0.27
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	5	0.27
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	5	0.27
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	19	0.27
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	19	0.27
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	6	0.27
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	6	0.27
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	7	0.27
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	10	0.27
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	4	0.27
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	4	0.27
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	5	0.27
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	5	0.27
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	2	0.27
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	9	0.27
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	10	0.27
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	16	0.27
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	1	0.27
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	1	0.27
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	15	0.27
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	15	0.27
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	19	0.27
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	12	0.27
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	20	0.27
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	18	0.27
(6,911)	1:55:A:LEU:HB2	1:55:A:LEU:H	11	0.27
(6,911)	1:55:A:LEU:HB3	1:55:A:LEU:H	11	0.27
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	16	0.27
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	16	0.27
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	18	0.27
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	18	0.27
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	19	0.27
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	19	0.27
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	8	0.27
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	8	0.27
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	17	0.27
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	17	0.27
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	6	0.27
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	6	0.27
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	16	0.27
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	16	0.27
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	10	0.27
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	10	0.27
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	13	0.27
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	13	0.27
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	18	0.27
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	18	0.27
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	10	0.27
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	10	0.27
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	13	0.27
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	13	0.27
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	18	0.27
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	18	0.27
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	11	0.27
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	11	0.27
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	11	0.27
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	11	0.27
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	11	0.27
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	11	0.27
(6,704)	1:93:A:SER:H	1:94:A:SER:H	7	0.27
(6,704)	1:93:A:SER:H	1:94:A:SER:H	11	0.27
(6,704)	1:93:A:SER:H	1:94:A:SER:H	19	0.27
(6,699)	1:93:A:SER:H	1:94:A:SER:H	7	0.27
(6,699)	1:93:A:SER:H	1:94:A:SER:H	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,699)	1:93:A:SER:HB	1:94:A:SER:HB	19	0.27
(6,689)	1:95:A:MET:HG2	1:95:A:MET:HB	10	0.27
(6,689)	1:95:A:MET:HG3	1:95:A:MET:HB	10	0.27
(6,682)	1:96:A:THR:HB	1:96:A:THR:HB	5	0.27
(6,682)	1:96:A:THR:HB	1:96:A:THR:HB	10	0.27
(6,682)	1:96:A:THR:HB	1:96:A:THR:HB	11	0.27
(6,675)	1:96:A:THR:HA	1:97:A:ILE:HB	15	0.27
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:HB	1	0.27
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:HB	15	0.27
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:HB	15	0.27
(6,647)	1:102:A:HIS:HB	1:102:A:HIS:HB2	15	0.27
(6,647)	1:102:A:HIS:HB	1:102:A:HIS:HB3	15	0.27
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:HB	5	0.27
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:HB	6	0.27
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:HB	6	0.27
(6,561)	1:114:A:LEU:HB2	1:111:A:LEU:HB	10	0.27
(6,561)	1:114:A:LEU:HB3	1:111:A:LEU:HB	10	0.27
(6,429)	1:125:A:LEU:HB	1:28:A:VAL:HG11	1	0.27
(6,429)	1:125:A:LEU:HB	1:28:A:VAL:HG12	1	0.27
(6,429)	1:125:A:LEU:HB	1:28:A:VAL:HG13	1	0.27
(6,429)	1:125:A:LEU:HB	1:28:A:VAL:HG11	12	0.27
(6,429)	1:125:A:LEU:HB	1:28:A:VAL:HG12	12	0.27
(6,429)	1:125:A:LEU:HB	1:28:A:VAL:HG13	12	0.27
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:HB	2	0.27
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:HB	2	0.27
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:HB	12	0.27
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:HB	12	0.27
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:HB	8	0.27
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:HB	8	0.27
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:HB	19	0.27
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:HB	19	0.27
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:HB	1	0.27
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:HB	1	0.27
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:HB	16	0.27
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:HB	16	0.27
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:HB	11	0.27
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:HB	11	0.27
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:HB	4	0.27
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:HB	4	0.27
(6,143)	1:15:A:TYR:HB	1:18:A:ARG:HB	18	0.27
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:HB	14	0.27
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:HB	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,5)	1:3:A:VAL:H	1:4:A:SER:H	1	0.27
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	19	0.27
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	19	0.27
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	19	0.27
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	19	0.27
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	7	0.27
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	7	0.27
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	7	0.27
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	7	0.27
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	15	0.27
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	15	0.27
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	15	0.27
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	15	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	6	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	6	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	6	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	6	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	7	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	7	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	7	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	7	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	13	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	13	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	13	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	13	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	18	0.27
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	18	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	18	0.27
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	18	0.27
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	7	0.27
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	7	0.27
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	5	0.27
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	5	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	1	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	1	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	1	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	1	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	2	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	2	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	2	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	2	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	4	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	4	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	4	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	5	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	5	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	5	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	5	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	8	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	8	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	8	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	8	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	9	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	9	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	9	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	9	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	10	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	10	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	10	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	10	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	11	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	11	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	11	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	11	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	12	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	12	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	12	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	12	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	14	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	14	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	14	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	14	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	15	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	15	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	15	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	15	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	16	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	16	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	16	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	16	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	17	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	17	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	17	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	19	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	19	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	19	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	19	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	20	0.27
(4,3016)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	20	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	20	0.27
(4,3016)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	20	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	1	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	1	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	1	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	1	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	2	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	2	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	2	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	2	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	4	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	4	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	4	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	4	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	5	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	5	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	5	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	5	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	8	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	8	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	8	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	8	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	9	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	9	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	9	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	9	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	10	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	10	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	10	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	10	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	11	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	11	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	11	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	11	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	12	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	12	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	12	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	14	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	14	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	14	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	14	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	15	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	15	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	15	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	15	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	16	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	16	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	16	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	16	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	17	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	17	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	17	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	17	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	19	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	19	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	19	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	19	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB2	20	0.27
(4,3015)	1:81:A:PRO:HG2	1:81:A:PRO:HB3	20	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB2	20	0.27
(4,3015)	1:81:A:PRO:HG3	1:81:A:PRO:HB3	20	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	1	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	1	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	1	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	1	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	2	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	2	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	2	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	2	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	4	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	4	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	4	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	4	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	5	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	5	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	5	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	8	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	8	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	8	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	8	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	9	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	9	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	9	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	9	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	10	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	10	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	10	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	10	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	11	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	11	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	11	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	11	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	12	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	12	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	12	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	12	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	14	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	14	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	14	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	14	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	15	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	15	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	15	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	15	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	16	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	16	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	16	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	16	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	17	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	17	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	17	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	17	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	19	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	19	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	19	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	19	0.27
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3014)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	20	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	20	0.27
(4,3014)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	20	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	1	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	1	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	1	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	1	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	2	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	2	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	2	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	2	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	4	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	4	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	4	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	4	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	5	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	5	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	5	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	5	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	8	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	8	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	8	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	8	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	9	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	9	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	9	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	9	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	10	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	10	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	10	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	10	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	11	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	11	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	11	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	11	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	12	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	12	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	12	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	12	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	14	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	14	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	14	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	15	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	15	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	15	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	15	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	16	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	16	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	16	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	16	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	17	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	17	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	17	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	17	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	19	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	19	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	19	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	19	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	20	0.27
(4,2997)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	20	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	20	0.27
(4,2997)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	20	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	1	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	1	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	1	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	1	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	2	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	2	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	2	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	2	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	4	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	4	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	4	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	4	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	5	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	5	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	5	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	5	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	8	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	8	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	8	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	8	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	9	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	9	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	9	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	10	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	10	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	10	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	10	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	11	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	11	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	11	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	11	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	12	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	12	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	12	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	12	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	14	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	14	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	14	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	14	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	15	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	15	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	15	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	15	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	16	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	16	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	16	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	16	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	17	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	17	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	17	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	17	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	19	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	19	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	19	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	19	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG2	20	0.27
(4,2996)	1:81:A:PRO:HB2	1:81:A:PRO:HG3	20	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG2	20	0.27
(4,2996)	1:81:A:PRO:HB3	1:81:A:PRO:HG3	20	0.27
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	3	0.27
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	12	0.27
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	14	0.27
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	12	0.27
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	12	0.27
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	12	0.27
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	12	0.27
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	3	0.27
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	7	0.27
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	11	0.27
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	5	0.27
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	7	0.27
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	19	0.27
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	19	0.27
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	19	0.27
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	19	0.27
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	19	0.27
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	19	0.27
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	19	0.27
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	19	0.27
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	19	0.27
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	8	0.27
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	8	0.27
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	8	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	1	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	1	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	1	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	1	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	1	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	1	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	6	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	6	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	6	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	6	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	6	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	6	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	8	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	8	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	8	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	8	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	8	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	8	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	13	0.27
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	13	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	13	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	13	0.27
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	13	0.27
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	7	0.27
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	7	0.27
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	8	0.27
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	8	0.27
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	13	0.27
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	13	0.27
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	14	0.27
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	14	0.27
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	16	0.27
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	16	0.27
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	2	0.27
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	2	0.27
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	9	0.27
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	9	0.27
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	18	0.27
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	18	0.27
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	19	0.27
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	19	0.27
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	9	0.27
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	9	0.27
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	18	0.27
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	18	0.27
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	19	0.27
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	19	0.27
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	7	0.27
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	7	0.27
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	7	0.27
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	7	0.27
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	9	0.27
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	9	0.27
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	9	0.27
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	9	0.27
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	9	0.27
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	9	0.27
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	9	0.27
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	9	0.27
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	9	0.27
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	9	0.27
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	9	0.27
(4,2639)	1:125:A:LEU:HA	1:125:A:LEU:HG	7	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	1	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	1	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	1	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	1	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	1	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	1	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	1	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	1	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	1	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	1	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	1	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	1	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	13	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	13	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	13	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	13	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	13	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	13	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	13	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	13	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	13	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	13	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	13	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	13	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	17	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	17	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	17	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	17	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	17	0.27
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	17	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	17	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	17	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	17	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	17	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	17	0.27
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	17	0.27
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	1	0.27
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	1	0.27
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	6	0.27
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	19	0.27
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	19	0.27
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	12	0.27
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	12	0.27
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	12	0.27
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	12	0.27
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	12	0.27
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	12	0.27
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	6	0.27
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	6	0.27
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	6	0.27
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	6	0.27
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	9	0.27
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	9	0.27
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	9	0.27
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	9	0.27
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD2	1	0.27
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	20	0.27
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	20	0.27
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	5	0.27
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	5	0.27
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	7	0.27
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	7	0.27
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	7	0.27
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	7	0.27
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	7	0.27
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	7	0.27
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	7	0.27
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	7	0.27
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	7	0.27
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	8	0.27
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	8	0.27
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	8	0.27
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	8	0.27
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	8	0.27
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	8	0.27
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	8	0.27
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	8	0.27
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	8	0.27
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	7	0.27
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	10	0.27
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	10	0.27
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	18	0.27
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	18	0.27
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	4	0.27
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	4	0.27
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	17	0.27
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	17	0.27
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	20	0.27
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	20	0.27
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	4	0.27
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	4	0.27
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	17	0.27
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	17	0.27
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	20	0.27
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	20	0.27
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	1	0.27
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	15	0.27
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	17	0.27
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	3	0.27
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	19	0.27
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	18	0.27
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	18	0.27
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	18	0.27
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	18	0.27
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	18	0.27
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	18	0.27
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD11	6	0.27
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD12	6	0.27
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD13	6	0.27
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD21	6	0.27
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD22	6	0.27
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD23	6	0.27
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	5	0.27
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	18	0.27
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD11	11	0.27
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD12	11	0.27
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD13	11	0.27
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	9	0.27
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	9	0.27
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	19	0.27
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	9	0.27
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	9	0.27
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	19	0.27
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	19	0.27
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	6	0.27
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	6	0.27
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	16	0.27
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	16	0.27
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	6	0.27
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	6	0.27
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	16	0.27
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	16	0.27
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB2	8	0.27
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB3	8	0.27
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB2	8	0.27
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB3	8	0.27
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB2	8	0.27
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB3	8	0.27
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	4	0.27
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	7	0.27
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	15	0.27
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	20	0.27
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	10	0.27
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	10	0.27
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	16	0.27
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	16	0.27
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	3	0.27
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	3	0.27
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	9	0.27
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	10	0.27
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	10	0.27
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	16	0.27
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	16	0.27
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	4	0.27
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	4	0.27
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	4	0.27
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	4	0.27
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	4	0.27
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	4	0.27
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	4	0.27
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	4	0.27
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	4	0.27
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	4	0.27
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	4	0.27
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	4	0.27
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	4	0.27
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	4	0.27
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	4	0.27
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	4	0.27
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	4	0.27
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	4	0.27
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	4	0.27
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	4	0.27
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	4	0.27
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	4	0.27
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	4	0.27
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	4	0.27
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	4	0.27
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	4	0.27
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	4	0.27
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	4	0.27
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	4	0.27
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	4	0.27
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	4	0.27
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	4	0.27
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	4	0.27
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	4	0.27
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	4	0.27
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	1	0.27
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	1	0.27
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	1	0.27
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	6	0.27
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	7	0.27
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	8	0.27
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	13	0.27
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	16	0.27
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	20	0.27
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	10	0.27
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	10	0.27
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	10	0.27
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	10	0.27
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	10	0.27
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	5	0.27
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	5	0.27
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	5	0.27
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	6	0.27
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	6	0.27
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	6	0.27
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	10	0.27
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	10	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	1	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	1	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	1	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	1	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	1	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	1	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	2	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	2	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	2	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	2	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	2	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	2	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	3	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	3	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	3	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	3	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	3	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	3	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	5	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	5	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	5	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	5	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	5	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	5	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	6	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	6	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	6	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	6	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	6	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	6	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	7	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	7	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	7	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	7	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	7	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	8	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	8	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	8	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	8	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	8	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	8	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	9	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	9	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	9	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	9	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	9	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	9	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	10	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	10	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	10	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	10	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	10	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	10	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	11	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	11	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	11	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	11	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	11	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	11	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	12	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	12	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	12	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	12	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	12	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	12	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	14	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	14	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	14	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	14	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	14	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	14	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	15	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	15	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	15	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	15	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	15	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	16	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	16	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	16	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	16	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	16	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	16	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	17	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	17	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	17	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	17	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	17	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	17	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	18	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	18	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	18	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	18	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	18	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	18	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	19	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	19	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	19	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	19	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	19	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	19	0.27
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	20	0.27
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	20	0.27
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	20	0.27
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	20	0.27
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	20	0.27
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	20	0.27
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	1	0.27
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	2	0.27
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	19	0.27
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	17	0.27
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	17	0.27
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	17	0.27
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	17	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	1	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	1	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	8	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	8	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	8	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	17	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	17	0.27
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	17	0.27
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	20	0.27
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	20	0.27
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	20	0.27
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	20	0.27
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	20	0.27
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	20	0.27
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	20	0.27
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	20	0.27
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	20	0.27
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	20	0.27
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	20	0.27
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	20	0.27
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	20	0.27
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	20	0.27
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	20	0.27
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	20	0.27
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	20	0.27
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	20	0.27
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	16	0.27
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	16	0.27
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	8	0.27
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	8	0.27
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	8	0.27
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	17	0.27
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	17	0.27
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	17	0.27
(4,1759)	1:52:A:LEU:HD21	1:78:A:ASP:HA	8	0.27
(4,1759)	1:52:A:LEU:HD22	1:78:A:ASP:HA	8	0.27
(4,1759)	1:52:A:LEU:HD23	1:78:A:ASP:HA	8	0.27
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	15	0.27
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	11	0.27
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	6	0.27
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	6	0.27
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	6	0.27
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	6	0.27
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	6	0.27
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	6	0.27
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	6	0.27
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	6	0.27
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	6	0.27
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	6	0.27
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	6	0.27
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	3	0.27
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	3	0.27
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	3	0.27
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	3	0.27
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	3	0.27
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	3	0.27
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	3	0.27
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	3	0.27
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	3	0.27
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	3	0.27
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	3	0.27
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	3	0.27
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	15	0.27
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	15	0.27
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	15	0.27
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	15	0.27
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	15	0.27
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	15	0.27
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	15	0.27
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	15	0.27
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	4	0.27
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	4	0.27
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	4	0.27
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	4	0.27
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	4	0.27
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	4	0.27
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	4	0.27
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	4	0.27
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	4	0.27
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	4	0.27
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	4	0.27
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	4	0.27
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	4	0.27
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	4	0.27
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	4	0.27
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	4	0.27
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	4	0.27
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	7	0.27
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	7	0.27
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	7	0.27
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	7	0.27
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	7	0.27
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	7	0.27
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	7	0.27
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	7	0.27
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	7	0.27
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	11	0.27
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	11	0.27
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	11	0.27
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	11	0.27
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	11	0.27
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	11	0.27
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	11	0.27
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	11	0.27
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	11	0.27
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	10	0.27
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	10	0.27
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	14	0.27
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	14	0.27
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	2	0.27
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	2	0.27
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	10	0.27
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	10	0.27
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	12	0.27
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	12	0.27
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	9	0.27
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	9	0.27
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	9	0.27
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	16	0.27
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	16	0.27
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	16	0.27
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	8	0.27
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	8	0.27
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	8	0.27
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	8	0.27
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	8	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	3	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	3	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	3	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	3	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	3	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	3	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	9	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	9	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	9	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	9	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	9	0.27
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	9	0.27
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	5	0.27
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	5	0.27
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	5	0.27
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	5	0.27
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	5	0.27
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	5	0.27
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	15	0.27
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	15	0.27
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	15	0.27
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	15	0.27
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	18	0.27
(4,1480)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	18	0.27
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	18	0.27
(4,1480)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	18	0.27
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	18	0.27
(4,1480)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	18	0.27
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	1	0.27
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	5	0.27
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	5	0.27
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	9	0.27
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	12	0.27
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	14	0.27
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	17	0.27
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	20	0.27
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	4	0.27
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	4	0.27
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	4	0.27
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	4	0.27
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	4	0.27
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	4	0.27
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	4	0.27
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	4	0.27
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	4	0.27
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	4	0.27
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	4	0.27
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	4	0.27
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	4	0.27
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	4	0.27
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	4	0.27
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	4	0.27
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	4	0.27
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	17	0.27
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	17	0.27
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	19	0.27
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	18	0.27
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	18	0.27
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	18	0.27
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	18	0.27
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	14	0.27
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	14	0.27
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	14	0.27
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	14	0.27
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	14	0.27
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	14	0.27
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	19	0.27
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	19	0.27
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	19	0.27
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	19	0.27
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	19	0.27
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	19	0.27
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	10	0.27
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	10	0.27
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	10	0.27
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	10	0.27
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	5	0.27
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	6	0.27
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	20	0.27
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	14	0.27
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	14	0.27
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	14	0.27
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	17	0.27
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	17	0.27
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	17	0.27
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	17	0.27
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	18	0.27
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	18	0.27
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	18	0.27
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	18	0.27
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	4	0.27
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	4	0.27
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	2	0.27
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	2	0.27
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	2	0.27
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	4	0.27
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	4	0.27
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	4	0.27
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	9	0.27
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	9	0.27
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	9	0.27
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	10	0.27
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	10	0.27
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	10	0.27
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	14	0.27
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	14	0.27
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	14	0.27
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	17	0.27
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	17	0.27
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	9	0.27
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	9	0.27
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	10	0.27
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	10	0.27
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	5	0.27
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	5	0.27
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	8	0.27
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	8	0.27
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	9	0.27
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	9	0.27
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	5	0.27
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	5	0.27
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	8	0.27
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	9	0.27
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	9	0.27
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	6	0.27
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	6	0.27
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	11	0.27
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	11	0.27
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	13	0.27
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	13	0.27
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	16	0.27
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	16	0.27
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	18	0.27
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	18	0.27
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	6	0.27
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	6	0.27
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	11	0.27
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	11	0.27
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	13	0.27
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	13	0.27
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	16	0.27
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	16	0.27
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	18	0.27
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	18	0.27
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	6	0.27
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	6	0.27
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	11	0.27
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	11	0.27
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	13	0.27
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	13	0.27
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	16	0.27
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	16	0.27
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	18	0.27
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	18	0.27
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	6	0.27
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	6	0.27
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	11	0.27
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	11	0.27
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	13	0.27
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	13	0.27
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	16	0.27
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	16	0.27
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	18	0.27
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	1	0.27
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	1	0.27
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	1	0.27
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	1	0.27
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	16	0.27
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	16	0.27
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	18	0.27
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	18	0.27
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	9	0.27
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	9	0.27
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	9	0.27
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	9	0.27
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	9	0.27
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	9	0.27
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	12	0.27
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	12	0.27
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	12	0.27
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	12	0.27
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	12	0.27
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	12	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	1	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	1	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	4	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	4	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	9	0.27
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	9	0.27
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	3	0.27
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	3	0.27
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	3	0.27
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	3	0.27
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	4	0.27
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	4	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	3	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	6	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	8	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	11	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	13	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	14	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	16	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	17	0.27
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	19	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	1	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	2	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	2	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	3	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	3	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	4	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	4	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	5	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	5	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	8	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	8	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	18	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	18	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	20	0.27
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	20	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	4	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	4	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	4	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	4	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	4	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	4	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	4	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	4	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	4	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	4	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	4	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	4	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	10	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	10	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	10	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	10	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	10	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	10	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	10	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	10	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	10	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	10	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	10	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	10	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	15	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	15	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	15	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	15	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	15	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	15	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	15	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	15	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	15	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	15	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	15	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	16	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	16	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	16	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	16	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	16	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	16	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	16	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	16	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	16	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	16	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	16	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	16	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	20	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	20	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	20	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	20	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	20	0.27
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	20	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	20	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	20	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	20	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	20	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	20	0.27
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	20	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	4	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	4	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	4	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	4	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	4	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	4	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	4	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	4	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	4	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	4	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	4	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	10	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	10	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	10	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	10	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	10	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	10	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	10	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	10	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	10	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	10	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	10	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	10	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	15	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	15	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	15	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	15	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	15	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	15	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	15	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	15	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	15	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	15	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	15	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	15	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	16	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	16	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	16	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	16	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	16	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	16	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	16	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	16	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	16	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	16	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	16	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	16	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.27
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.27
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.27
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.27
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.27
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.27
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	4	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	4	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	4	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	4	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	4	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	4	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	4	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	4	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	4	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	4	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	4	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	4	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	10	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	10	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	10	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	10	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	10	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	10	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	10	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	10	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	10	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	10	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	10	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	10	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	15	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	15	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	15	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	15	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	15	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	15	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	15	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	15	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	15	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	15	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	15	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	16	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	16	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	16	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	16	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	16	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	16	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	16	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	16	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	16	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	16	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	16	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	16	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.27
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.27
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.27
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.27
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.27
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.27
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	4	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	4	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	4	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	4	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	4	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	4	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	4	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	4	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	4	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	4	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	4	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	4	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	10	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	10	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	10	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	10	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	10	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	10	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	10	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	10	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	10	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	10	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	10	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	15	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	15	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	15	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	15	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	15	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	15	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	15	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	15	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	15	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	15	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	15	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	15	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	16	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	16	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	16	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	16	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	16	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	16	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	16	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	16	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	16	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	16	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	16	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	16	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.27
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.27
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.27
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.27
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.27
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.27
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	4	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	4	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	4	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	4	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	4	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	4	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	4	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	4	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	4	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	4	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	4	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	4	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	10	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	10	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	10	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	10	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	10	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	10	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	10	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	10	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	10	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	10	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	10	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	10	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	15	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	15	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	15	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	15	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	15	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	15	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	15	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	15	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	15	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	15	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	15	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	15	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	16	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	16	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	16	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	16	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	16	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	16	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	16	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	16	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	16	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	16	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	16	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	20	0.27
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	20	0.27
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	20	0.27
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	20	0.27
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	20	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	20	0.27
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	20	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	20	0.27
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	20	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	1	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	1	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	4	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	4	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	8	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	8	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	10	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	10	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	11	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	11	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	17	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	17	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	20	0.27
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	20	0.27
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	15	0.27
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	15	0.27
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	15	0.27
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	15	0.27
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	15	0.27
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	15	0.27
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	10	0.27
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	10	0.27
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	10	0.27
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB2	11	0.27
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB3	11	0.27
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB2	12	0.27
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB3	12	0.27
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB2	20	0.27
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB3	20	0.27
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	5	0.27
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	5	0.27
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	7	0.27
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	7	0.27
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	5	0.27
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	5	0.27
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	7	0.27
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	7	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	1	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	1	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	1	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	4	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	4	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	4	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	6	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	6	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	6	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	8	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	8	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	8	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	16	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	16	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	16	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	18	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	18	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	18	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	20	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	20	0.27
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	20	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	1	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	1	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	1	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	11	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	11	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	11	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	11	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	15	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	15	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	15	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	15	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	20	0.27
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	20	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	20	0.27
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	20	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	1	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	1	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	1	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	1	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	11	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	11	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	11	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	11	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	15	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	15	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	15	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	15	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	20	0.27
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	20	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	20	0.27
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	20	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	1	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	1	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	1	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	1	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	11	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	11	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	11	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	11	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	15	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	15	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	15	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	15	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	20	0.27
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	20	0.27
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	20	0.27
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	6	0.27
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	6	0.27
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	6	0.27
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	6	0.27
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	16	0.27
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	16	0.27
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	16	0.27
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	16	0.27
(4,219)	1:53:A:MET:HE1	1:12:A:VAL:HB	13	0.27
(4,219)	1:53:A:MET:HE2	1:12:A:VAL:HB	13	0.27
(4,219)	1:53:A:MET:HE3	1:12:A:VAL:HB	13	0.27
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	3	0.27
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	3	0.27
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	9	0.27
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	9	0.27
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	8	0.27
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	8	0.27
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	8	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	1	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	1	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	1	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	1	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	1	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	1	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	3	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	3	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	3	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	3	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	3	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	3	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	4	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	4	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	4	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	4	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	4	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	4	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	5	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	5	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	5	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	5	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	5	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	8	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	8	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	8	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	8	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	8	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	8	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	9	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	9	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	9	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	9	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	9	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	9	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	10	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	10	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	10	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	10	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	10	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	10	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	11	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	11	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	11	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	11	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	11	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	11	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	14	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	14	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	14	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	14	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	14	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	14	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	16	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	16	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	16	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	16	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	16	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	16	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	17	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	17	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	17	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	17	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	17	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	18	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	18	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	18	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	18	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	18	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	18	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD11	20	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD12	20	0.27
(4,144)	1:72:A:ILE:HG12	1:72:A:ILE:HD13	20	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD11	20	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD12	20	0.27
(4,144)	1:72:A:ILE:HG13	1:72:A:ILE:HD13	20	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	1	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	1	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	1	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	1	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	2	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	2	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	2	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	2	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	5	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	5	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	5	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	5	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	8	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	8	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	8	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	8	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	11	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	11	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	11	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	11	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	13	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	13	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	13	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	13	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	14	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	14	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	14	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	15	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	15	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	15	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	15	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	17	0.27
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	17	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	17	0.27
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	17	0.27
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	17	0.27
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	17	0.27
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	17	0.27
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	17	0.27
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	17	0.27
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	17	0.27
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	17	0.27
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	17	0.27
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	17	0.27
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	17	0.27
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	17	0.27
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	17	0.27
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	1	0.27
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	1	0.27
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	1	0.27
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	1	0.27
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	8	0.27
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	8	0.27
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	8	0.27
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	8	0.27
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	20	0.27
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	20	0.27
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	20	0.27
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	20	0.27
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	15	0.27
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	15	0.27
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	15	0.27
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	15	0.27
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	4	0.27
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	4	0.27
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	2	0.27
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	5	0.27
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	20	0.27
(8,75)	1:88:A:PHE:HD1	1:75:A:TRP:HD1	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,75)	1:88:A:PHE:HD2	1:75:A:TRP:HD1	17	0.26
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	11	0.26
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	12	0.26
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	12	0.26
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	12	0.26
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	12	0.26
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	12	0.26
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	12	0.26
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	14	0.26
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	14	0.26
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	14	0.26
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	14	0.26
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	14	0.26
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	14	0.26
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	18	0.26
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	18	0.26
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	18	0.26
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	18	0.26
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	18	0.26
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	18	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	4	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	4	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	4	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	4	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	8	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	8	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	8	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	8	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	17	0.26
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	17	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	17	0.26
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	17	0.26
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	6	0.26
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	6	0.26
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	1	0.26
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	1	0.26
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	10	0.26
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	10	0.26
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	8	0.26
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	8	0.26
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	1	0.26
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	18	0.26
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	18	0.26
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	20	0.26
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	1	0.26
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	3	0.26
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	20	0.26
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	8	0.26
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	8	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	5	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	5	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	8	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	8	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	10	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	10	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	11	0.26
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	11	0.26
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	12	0.26
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	12	0.26
(6,897)	1:59:A:ILE:HG12	1:59:A:ILE:H	10	0.26
(6,897)	1:59:A:ILE:HG13	1:59:A:ILE:H	10	0.26
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	19	0.26
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	2	0.26
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	2	0.26
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	11	0.26
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	3	0.26
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	3	0.26
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	9	0.26
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	9	0.26
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	15	0.26
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	15	0.26
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	15	0.26
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	15	0.26
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	15	0.26
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	15	0.26
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	7	0.26
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	7	0.26
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	14	0.26
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	14	0.26
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	1	0.26
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	1	0.26
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	11	0.26
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	1	0.26
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	1	0.26
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	11	0.26
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	11	0.26
(6,704)	1:93:A:SER:H	1:94:A:SER:H	1	0.26
(6,704)	1:93:A:SER:H	1:94:A:SER:H	5	0.26
(6,704)	1:93:A:SER:H	1:94:A:SER:H	6	0.26
(6,704)	1:93:A:SER:H	1:94:A:SER:H	10	0.26
(6,699)	1:93:A:SER:H	1:94:A:SER:H	1	0.26
(6,699)	1:93:A:SER:H	1:94:A:SER:H	5	0.26
(6,699)	1:93:A:SER:H	1:94:A:SER:H	6	0.26
(6,699)	1:93:A:SER:H	1:94:A:SER:H	10	0.26
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	20	0.26
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	20	0.26
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	11	0.26
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	19	0.26
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	2	0.26
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	3	0.26
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	3	0.26
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	8	0.26
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	8	0.26
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	11	0.26
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	11	0.26
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	11	0.26
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	19	0.26
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	19	0.26
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	6	0.26
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	6	0.26
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	6	0.26
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	18	0.26
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	9	0.26
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	14	0.26
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	14	0.26
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	14	0.26
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	12	0.26
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	12	0.26
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	12	0.26
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	10	0.26
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	11	0.26
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	17	0.26
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	18	0.26
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	12	0.26
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	12	0.26
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	15	0.26
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	8	0.26
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	8	0.26
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	12	0.26
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	12	0.26
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	7	0.26
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	7	0.26
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	7	0.26
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	1	0.26
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	1	0.26
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	8	0.26
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	8	0.26
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	12	0.26
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	12	0.26
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	14	0.26
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	14	0.26
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	1	0.26
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	1	0.26
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	5	0.26
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	5	0.26
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	13	0.26
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	13	0.26
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	2	0.26
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	6	0.26
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	8	0.26
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	11	0.26
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	12	0.26
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	12	0.26
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	2	0.26
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	2	0.26
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	14	0.26
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	14	0.26
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	16	0.26
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	16	0.26
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	18	0.26
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	18	0.26
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	20	0.26
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	20	0.26
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	2	0.26
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	4	0.26
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	4	0.26
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	3	0.26
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	15	0.26
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	11	0.26
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	7	0.26
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	7	0.26
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	15	0.26
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	15	0.26
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	17	0.26
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	17	0.26
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG2	16	0.26
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG3	16	0.26
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	5	0.26
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	5	0.26
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	5	0.26
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	5	0.26
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	2	0.26
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	2	0.26
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	2	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	5	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	5	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	5	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	5	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	9	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	9	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	9	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	9	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	12	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	12	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	12	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	12	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	19	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	19	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	19	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	19	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	20	0.26
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	20	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	20	0.26
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	20	0.26
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	20	0.26
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	17	0.26
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	1	0.26
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	1	0.26
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	5	0.26
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	5	0.26
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	1	0.26
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	1	0.26
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	5	0.26
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	5	0.26
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	10	0.26
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	10	0.26
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	16	0.26
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	16	0.26
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	12	0.26
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	12	0.26
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	12	0.26
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	12	0.26
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	12	0.26
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	12	0.26
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	15	0.26
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	19	0.26
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	13	0.26
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	5	0.26
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	5	0.26
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	5	0.26
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	5	0.26
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	5	0.26
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	5	0.26
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	5	0.26
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	5	0.26
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	5	0.26
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	10	0.26
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	10	0.26
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	10	0.26
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	10	0.26
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	10	0.26
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	10	0.26
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	10	0.26
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	10	0.26
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	10	0.26
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	11	0.26
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	11	0.26
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	17	0.26
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	17	0.26
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	17	0.26
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	17	0.26
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	17	0.26
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	17	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	3	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	3	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	9	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	9	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	10	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	10	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	11	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	11	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	15	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	15	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	17	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	17	0.26
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	20	0.26
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	20	0.26
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	5	0.26
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	5	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	6	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	6	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	10	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	10	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	11	0.26
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	11	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	6	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	6	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	10	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	10	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	11	0.26
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	11	0.26
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	11	0.26
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	11	0.26
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	11	0.26
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	11	0.26
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	11	0.26
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	11	0.26
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	12	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	6	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	6	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	6	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	6	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	6	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	6	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	6	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	6	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	6	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	6	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	6	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	6	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	7	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	7	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	7	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	7	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	7	0.26
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	7	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	7	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	7	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	7	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	7	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	7	0.26
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	7	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	2	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	2	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	2	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	2	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	2	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	2	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	2	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	2	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	2	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	2	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	2	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	2	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	12	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	12	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	12	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	12	0.26
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	12	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	12	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	12	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	12	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	12	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	12	0.26
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	12	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	3	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	3	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	3	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	3	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	5	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	5	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	5	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	5	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	7	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	7	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	7	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	7	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	10	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	10	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	10	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	10	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	12	0.26
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	12	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	12	0.26
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	12	0.26
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	5	0.26
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	5	0.26
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	5	0.26
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	5	0.26
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	5	0.26
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	5	0.26
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	2	0.26
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	2	0.26
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	2	0.26
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	17	0.26
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	17	0.26
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	17	0.26
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	17	0.26
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	17	0.26
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	17	0.26
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	17	0.26
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	17	0.26
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	2	0.26
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	2	0.26
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	4	0.26
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	4	0.26
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	3	0.26
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	3	0.26
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	3	0.26
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	3	0.26
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	3	0.26
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	3	0.26
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	6	0.26
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	6	0.26
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	9	0.26
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	17	0.26
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	5	0.26
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	5	0.26
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	5	0.26
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	5	0.26
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	5	0.26
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	5	0.26
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	13	0.26
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	13	0.26
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	18	0.26
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	18	0.26
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	19	0.26
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	19	0.26
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	13	0.26
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	13	0.26
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	18	0.26
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	18	0.26
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	19	0.26
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	19	0.26
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	10	0.26
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	10	0.26
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	10	0.26
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	10	0.26
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	10	0.26
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	10	0.26
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	10	0.26
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	10	0.26
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	10	0.26
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	10	0.26
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	10	0.26
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	14	0.26
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	5	0.26
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	11	0.26
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	12	0.26
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	18	0.26
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG21	7	0.26
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG22	7	0.26
(4,2228)	1:16:A:LYS:HG2	1:79:A:THR:HG23	7	0.26
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG21	7	0.26
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG22	7	0.26
(4,2228)	1:16:A:LYS:HG3	1:79:A:THR:HG23	7	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	3	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	3	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	3	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	3	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	3	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	3	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	9	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	9	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	9	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	9	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	9	0.26
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	9	0.26
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	4	0.26
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	19	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	4	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	4	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	8	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	8	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	14	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	14	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	17	0.26
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	17	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	4	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	4	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	8	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	14	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	14	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	17	0.26
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	17	0.26
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	18	0.26
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	18	0.26
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	18	0.26
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	18	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	1	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	2	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	3	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	5	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	9	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	12	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	13	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	14	0.26
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	18	0.26
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	6	0.26
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	6	0.26
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	17	0.26
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	17	0.26
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	6	0.26
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	6	0.26
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	17	0.26
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	17	0.26
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	4	0.26
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	4	0.26
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	4	0.26
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	4	0.26
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	4	0.26
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	4	0.26
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG21	9	0.26
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG22	9	0.26
(4,2118)	1:128:A:ILE:HA	1:130:A:VAL:HG23	9	0.26
(4,2103)	1:56:A:THR:HA	1:73:A:CYS:HA	11	0.26
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	9	0.26
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	10	0.26
(4,2079)	1:72:A:ILE:HB	1:72:A:ILE:H	17	0.26
(4,2075)	1:89:A:VAL:HA	1:72:A:ILE:HA	20	0.26
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	18	0.26
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	18	0.26
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	9	0.26
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	9	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	2	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	2	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	2	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	7	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	7	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	7	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	9	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	9	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	9	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	14	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	14	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	14	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	17	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	17	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	17	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	19	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	19	0.26
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	19	0.26
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	20	0.26
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	20	0.26
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	20	0.26
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	20	0.26
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	20	0.26
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	20	0.26
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	4	0.26
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	4	0.26
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	4	0.26
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	4	0.26
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	4	0.26
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	4	0.26
(4,1959)	1:61:A:VAL:HG11	1:61:A:VAL:HB	13	0.26
(4,1959)	1:61:A:VAL:HG12	1:61:A:VAL:HB	13	0.26
(4,1959)	1:61:A:VAL:HG13	1:61:A:VAL:HB	13	0.26
(4,1959)	1:61:A:VAL:HG21	1:61:A:VAL:HB	13	0.26
(4,1959)	1:61:A:VAL:HG22	1:61:A:VAL:HB	13	0.26
(4,1959)	1:61:A:VAL:HG23	1:61:A:VAL:HB	13	0.26
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	11	0.26
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	13	0.26
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	14	0.26
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	20	0.26
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	15	0.26
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	15	0.26
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	12	0.26
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	12	0.26
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	15	0.26
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	15	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	2	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	2	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	2	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	3	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	3	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	3	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	7	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	7	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	7	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	12	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	12	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	12	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	13	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	13	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	13	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	14	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	14	0.26
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	14	0.26
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	11	0.26
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	11	0.26
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	13	0.26
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	13	0.26
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	13	0.26
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	13	0.26
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	13	0.26
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	13	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	10	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	10	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	10	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	16	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	16	0.26
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	16	0.26
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD11	11	0.26
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD12	11	0.26
(4,1765)	1:42:A:TYR:HB2	1:52:A:LEU:HD13	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD11	11	0.26
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD12	11	0.26
(4,1765)	1:42:A:TYR:HB3	1:52:A:LEU:HD13	11	0.26
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	5	0.26
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	5	0.26
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	5	0.26
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	5	0.26
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	5	0.26
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	5	0.26
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	17	0.26
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	17	0.26
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	17	0.26
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	17	0.26
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	17	0.26
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	17	0.26
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	3	0.26
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	13	0.26
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	3	0.26
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	3	0.26
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	3	0.26
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	3	0.26
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	3	0.26
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	3	0.26
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	3	0.26
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	3	0.26
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	3	0.26
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	3	0.26
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	3	0.26
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	3	0.26
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	11	0.26
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	11	0.26
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	11	0.26
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	11	0.26
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	11	0.26
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	11	0.26
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	11	0.26
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	11	0.26
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	11	0.26
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	11	0.26
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	11	0.26
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	11	0.26
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	17	0.26
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	17	0.26
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	17	0.26
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	17	0.26
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	17	0.26
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	17	0.26
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	17	0.26
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	17	0.26
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	17	0.26
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	17	0.26
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	17	0.26
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD11	12	0.26
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD12	12	0.26
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD13	12	0.26
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD21	12	0.26
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD22	12	0.26
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD23	12	0.26
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD11	12	0.26
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD12	12	0.26
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD13	12	0.26
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD21	12	0.26
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD22	12	0.26
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD23	12	0.26
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	10	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	10	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	10	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	10	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	10	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	10	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	10	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	10	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	10	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	10	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	10	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	10	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	10	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	10	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	10	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	10	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	10	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	10	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	11	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	11	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	11	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	11	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	11	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	11	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	11	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	11	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	11	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	11	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	11	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	11	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	11	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	11	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	11	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	11	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	11	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	11	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	18	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	18	0.26
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	18	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	18	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	18	0.26
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	18	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	18	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	18	0.26
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	18	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	18	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	18	0.26
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	18	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	18	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	18	0.26
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	18	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	18	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	18	0.26
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	18	0.26
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	2	0.26
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	2	0.26
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	2	0.26
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	3	0.26
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	3	0.26
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	19	0.26
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	19	0.26
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	19	0.26
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	19	0.26
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	19	0.26
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	19	0.26
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	2	0.26
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	2	0.26
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	2	0.26
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	2	0.26
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	2	0.26
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	2	0.26
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	2	0.26
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	2	0.26
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	2	0.26
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	3	0.26
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	3	0.26
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	3	0.26
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	3	0.26
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	3	0.26
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	3	0.26
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	3	0.26
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	3	0.26
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	3	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	4	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	4	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	5	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	5	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	6	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	6	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	11	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	11	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	20	0.26
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	20	0.26
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	8	0.26
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	8	0.26
(4,1570)	1:29:A:ILE:HG12	1:29:A:ILE:HB	18	0.26
(4,1570)	1:29:A:ILE:HG13	1:29:A:ILE:HB	18	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	1	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	1	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	1	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	6	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	6	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	18	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	18	0.26
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	18	0.26
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	3	0.26
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	3	0.26
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	3	0.26
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	3	0.26
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	3	0.26
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	3	0.26
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	14	0.26
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	14	0.26
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	14	0.26
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	14	0.26
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	14	0.26
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	14	0.26
(4,1542)	1:125:A:LEU:HG	1:28:A:VAL:HA	5	0.26
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	10	0.26
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	10	0.26
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	10	0.26
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	10	0.26
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	10	0.26
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	10	0.26
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	10	0.26
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	10	0.26
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	10	0.26
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	10	0.26
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	10	0.26
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	10	0.26
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	7	0.26
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	7	0.26
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	7	0.26
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	7	0.26
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	7	0.26
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	7	0.26
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	10	0.26
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	10	0.26
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	10	0.26
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	10	0.26
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	10	0.26
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	10	0.26
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	10	0.26
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	10	0.26
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	10	0.26
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	10	0.26
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	10	0.26
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	16	0.26
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	11	0.26
(4,1445)	1:26:A:VAL:H	1:26:A:VAL:HB	16	0.26
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	17	0.26
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	17	0.26
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	17	0.26
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	17	0.26
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	17	0.26
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	17	0.26
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	19	0.26
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	19	0.26
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	19	0.26
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	5	0.26
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	5	0.26
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	5	0.26
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	5	0.26
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	5	0.26
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	5	0.26
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	5	0.26
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	5	0.26
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	5	0.26
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	5	0.26
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	5	0.26
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	5	0.26
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	5	0.26
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	5	0.26
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	5	0.26
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	5	0.26
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	5	0.26
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	5	0.26
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	14	0.26
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	14	0.26
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	14	0.26
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	14	0.26
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	14	0.26
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	14	0.26
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	14	0.26
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	14	0.26
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	14	0.26
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	14	0.26
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	14	0.26
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	14	0.26
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	14	0.26
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	14	0.26
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	14	0.26
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	14	0.26
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	14	0.26
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	14	0.26
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	14	0.26
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	14	0.26
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	14	0.26
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	7	0.26
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	7	0.26
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	7	0.26
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	7	0.26
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	8	0.26
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	8	0.26
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	8	0.26
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	8	0.26
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	8	0.26
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	8	0.26
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	19	0.26
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	19	0.26
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	19	0.26
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	19	0.26
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB2	9	0.26
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB3	9	0.26
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	13	0.26
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	13	0.26
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	13	0.26
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	13	0.26
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	18	0.26
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	12	0.26
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	12	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	1	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	1	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	1	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	4	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	4	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	4	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	4	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	5	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	5	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	5	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	5	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	8	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	8	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	8	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	8	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	9	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	9	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	9	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	9	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	11	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	11	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	11	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	11	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	20	0.26
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	20	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	20	0.26
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	20	0.26
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	4	0.26
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	4	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	2	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	2	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	2	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	3	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	3	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	3	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	6	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	6	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	6	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	7	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	7	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	7	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	12	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	12	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	15	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	15	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	15	0.26
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	20	0.26
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	20	0.26
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	20	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	1	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	1	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	1	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	3	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	3	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	3	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	5	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	5	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	5	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	6	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	6	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	6	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	7	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	7	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	7	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	8	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	8	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	8	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	11	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	11	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	11	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	13	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	13	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	13	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	15	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	15	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	15	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	17	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	17	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	17	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	19	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	19	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	19	0.26
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	20	0.26
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	20	0.26
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	3	0.26
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	3	0.26
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	11	0.26
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	11	0.26
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	16	0.26
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	16	0.26
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	10	0.26
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	10	0.26
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	11	0.26
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	11	0.26
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	15	0.26
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	15	0.26
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	10	0.26
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	10	0.26
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	11	0.26
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	11	0.26
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	15	0.26
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	15	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	1	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	1	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	2	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	2	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	7	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	7	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	9	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	9	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	10	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	10	0.26
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	1	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	1	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	2	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	2	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	7	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	7	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	9	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	9	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	10	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	10	0.26
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	1	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	1	0.26
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	2	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	2	0.26
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	7	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	7	0.26
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	9	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	9	0.26
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	10	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	10	0.26
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	1	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	1	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	2	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	2	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	7	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	7	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	9	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	9	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	10	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	10	0.26
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	20	0.26
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	20	0.26
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	2	0.26
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	2	0.26
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	2	0.26
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	2	0.26
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	6	0.26
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	6	0.26
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	6	0.26
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	6	0.26
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	16	0.26
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	16	0.26
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	16	0.26
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	16	0.26
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	8	0.26
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	8	0.26
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	20	0.26
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	20	0.26
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	11	0.26
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	11	0.26
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	11	0.26
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	11	0.26
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	11	0.26
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	3	0.26
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	3	0.26
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	16	0.26
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	16	0.26
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	18	0.26
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	18	0.26
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	16	0.26
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	16	0.26
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	18	0.26
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	18	0.26
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	13	0.26
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	13	0.26
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	13	0.26
(4,719)	1:70:A:ILE:HB	1:70:A:ILE:HA	10	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	3	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	3	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	5	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	5	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	15	0.26
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	15	0.26
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	15	0.26
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	15	0.26
(4,648)	1:76:A:LEU:HD11	1:76:A:LEU:HA	6	0.26
(4,648)	1:76:A:LEU:HD12	1:76:A:LEU:HA	6	0.26
(4,648)	1:76:A:LEU:HD13	1:76:A:LEU:HA	6	0.26
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	18	0.26
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	18	0.26
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	18	0.26
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	18	0.26
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	18	0.26
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	18	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	6	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	6	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	6	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	6	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	6	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	6	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	12	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	12	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	12	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	12	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	12	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	18	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	18	0.26
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	18	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	18	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	18	0.26
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	18	0.26
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	12	0.26
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	12	0.26
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	18	0.26
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	18	0.26
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	19	0.26
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	19	0.26
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	12	0.26
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	12	0.26
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	18	0.26
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	18	0.26
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	19	0.26
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	19	0.26
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	20	0.26
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	20	0.26
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	20	0.26
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB2	4	0.26
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB3	4	0.26
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB2	14	0.26
(4,504)	1:46:A:ASP:HA	1:46:A:ASP:HB3	14	0.26
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	14	0.26
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	14	0.26
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	14	0.26
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	6	0.26
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	6	0.26
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	8	0.26
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	8	0.26
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	12	0.26
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	12	0.26
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	6	0.26
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	6	0.26
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	8	0.26
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	12	0.26
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	12	0.26
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	6	0.26
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	6	0.26
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	8	0.26
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	8	0.26
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	12	0.26
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	12	0.26
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	6	0.26
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	6	0.26
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	8	0.26
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	8	0.26
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	12	0.26
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	12	0.26
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	7	0.26
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	2	0.26
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	2	0.26
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	2	0.26
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	2	0.26
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	2	0.26
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	2	0.26
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	2	0.26
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	2	0.26
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	19	0.26
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	19	0.26
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	19	0.26
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	19	0.26
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	2	0.26
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	2	0.26
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	2	0.26
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	2	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	2	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	2	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	2	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	2	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	4	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	4	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	4	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	4	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	14	0.26
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	14	0.26
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	14	0.26
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	13	0.26
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	13	0.26
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	13	0.26
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	1	0.26
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	1	0.26
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	1	0.26
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	6	0.26
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	6	0.26
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	6	0.26
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	6	0.26
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	18	0.26
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	18	0.26
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	18	0.26
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	18	0.26
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	20	0.26
(4,78)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	20	0.26
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	20	0.26
(4,78)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	20	0.26
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	2	0.26
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	2	0.26
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	2	0.26
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	2	0.26
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	14	0.26
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	14	0.26
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	14	0.26
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	14	0.26
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	10	0.26
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	10	0.26
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	10	0.26
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	10	0.26
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	15	0.26
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	15	0.26
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	15	0.26
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	15	0.26
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	16	0.26
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	16	0.26
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	16	0.26
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	16	0.26
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	16	0.26
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	16	0.26
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	16	0.26
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	16	0.26
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	16	0.26
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	16	0.26
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	16	0.26
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	16	0.26
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	16	0.26
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	16	0.26
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	16	0.26
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	16	0.26
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	16	0.26
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	16	0.26
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	16	0.26
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	16	0.26
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	16	0.26
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	16	0.26
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	16	0.26
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	16	0.26
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	16	0.26
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	16	0.26
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	16	0.26
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	16	0.26
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	16	0.26
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	16	0.26
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	16	0.26
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	16	0.26
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	16	0.26
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	16	0.26
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	16	0.26
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	7	0.26
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	7	0.26
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	7	0.26
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	7	0.26
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	7	0.26
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	7	0.26
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	7	0.26
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	7	0.26
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	7	0.26
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	7	0.26
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	7	0.26
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	19	0.26
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	20	0.26
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	20	0.26
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	2	0.25
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	2	0.25
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	5	0.25
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	5	0.25
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	3	0.25
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	3	0.25
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	3	0.25
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	3	0.25
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	3	0.25
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	3	0.25
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	13	0.25
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	13	0.25
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	13	0.25
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	13	0.25
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	13	0.25
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	13	0.25
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	20	0.25
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	20	0.25
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	20	0.25
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	20	0.25
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	20	0.25
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	20	0.25
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	2	0.25
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	2	0.25
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	2	0.25
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	3	0.25
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	3	0.25
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	14	0.25
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	14	0.25
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	15	0.25
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	15	0.25
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	15	0.25
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	15	0.25
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	19	0.25
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	19	0.25
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	19	0.25
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	19	0.25
(6,1245)	1:10:A:LYS:HD2	1:10:A:LYS:H	3	0.25
(6,1245)	1:10:A:LYS:HD3	1:10:A:LYS:H	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	15	0.25
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	15	0.25
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	1	0.25
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	1	0.25
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	1	0.25
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	1	0.25
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	1	0.25
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	1	0.25
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	11	0.25
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	11	0.25
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	11	0.25
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	11	0.25
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	11	0.25
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	11	0.25
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	5	0.25
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	11	0.25
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	11	0.25
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	11	0.25
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	11	0.25
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	11	0.25
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	11	0.25
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	4	0.25
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	15	0.25
(6,1099)	1:25:A:THR:HB	1:28:A:VAL:H	18	0.25
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	3	0.25
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	3	0.25
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	6	0.25
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	6	0.25
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	12	0.25
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	12	0.25
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	17	0.25
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	17	0.25
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	20	0.25
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	20	0.25
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	4	0.25
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	4	0.25
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	6	0.25
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	6	0.25
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	2	0.25
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	10	0.25
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	1	0.25
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	10	0.25
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	10	0.25
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	10	0.25
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	10	0.25
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	10	0.25
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	10	0.25
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	20	0.25
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	20	0.25
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	20	0.25
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	20	0.25
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	20	0.25
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	20	0.25
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	2	0.25
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	2	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	5	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	5	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	9	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	9	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	12	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	12	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	19	0.25
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	19	0.25
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	5	0.25
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	5	0.25
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	9	0.25
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	9	0.25
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	12	0.25
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	12	0.25
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	19	0.25
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	19	0.25
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	3	0.25
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	3	0.25
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	3	0.25
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	3	0.25
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	3	0.25
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	3	0.25
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	10	0.25
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	10	0.25
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	10	0.25
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	10	0.25
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	10	0.25
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	1	0.25
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	1	0.25
(6,704)	1:93:A:SER:H	1:94:A:SER:H	16	0.25
(6,704)	1:93:A:SER:H	1:94:A:SER:H	20	0.25
(6,699)	1:93:A:SER:H	1:94:A:SER:H	16	0.25
(6,699)	1:93:A:SER:H	1:94:A:SER:H	20	0.25
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	7	0.25
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	7	0.25
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	7	0.25
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	2	0.25
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	2	0.25
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	2	0.25
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	2	0.25
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	2	0.25
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	2	0.25
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	8	0.25
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	9	0.25
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	2	0.25
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	9	0.25
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	13	0.25
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	15	0.25
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	16	0.25
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	6	0.25
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	6	0.25
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	6	0.25
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	6	0.25
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	7	0.25
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	7	0.25
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	14	0.25
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	2	0.25
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	2	0.25
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	8	0.25
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	8	0.25
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	10	0.25
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	10	0.25
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	15	0.25
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	15	0.25
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	18	0.25
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	18	0.25
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	2	0.25
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	2	0.25
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	18	0.25
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	16	0.25
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	16	0.25
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	16	0.25
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	17	0.25
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	17	0.25
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	17	0.25
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	19	0.25
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	19	0.25
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	19	0.25
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	5	0.25
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	5	0.25
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	5	0.25
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	5	0.25
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	5	0.25
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	5	0.25
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	4	0.25
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	15	0.25
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	16	0.25
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	20	0.25
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	19	0.25
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	19	0.25
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	5	0.25
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	5	0.25
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	9	0.25
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	9	0.25
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	2	0.25
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	2	0.25
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	16	0.25
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	16	0.25
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	4	0.25
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	4	0.25
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	4	0.25
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	15	0.25
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	15	0.25
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	15	0.25
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	20	0.25
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	20	0.25
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	4	0.25
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	4	0.25
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	15	0.25
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	6	0.25
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	6	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	1	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	3	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	5	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	7	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	9	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	13	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	14	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	16	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	18	0.25
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	19	0.25
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	2	0.25
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	2	0.25
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	3	0.25
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	3	0.25
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	10	0.25
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	10	0.25
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	20	0.25
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	20	0.25
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	12	0.25
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	1	0.25
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	1	0.25
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	15	0.25
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	15	0.25
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	12	0.25
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	19	0.25
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	6	0.25
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	18	0.25
(6,109)	1:11:A:MET:HG2	1:12:A:VAL:H	20	0.25
(6,109)	1:11:A:MET:HG3	1:12:A:VAL:H	20	0.25
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	19	0.25
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	19	0.25
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	11	0.25
(6,52)	1:9:A:LYS:HD2	1:7:A:GLN:H	10	0.25
(6,52)	1:9:A:LYS:HD3	1:7:A:GLN:H	10	0.25
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	14	0.25
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	14	0.25
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	14	0.25
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	14	0.25
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	6	0.25
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	6	0.25
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	2	0.25
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	2	0.25
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	2	0.25
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	2	0.25
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	18	0.25
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	18	0.25
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	18	0.25
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	18	0.25
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	16	0.25
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	16	0.25
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	16	0.25
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	16	0.25
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	17	0.25
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	17	0.25
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	17	0.25
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	17	0.25
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	1	0.25
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	1	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	2	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	2	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	2	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	2	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	2	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	2	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	8	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	8	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	8	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	8	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	8	0.25
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	8	0.25
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	16	0.25
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	4	0.25
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	4	0.25
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	15	0.25
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	15	0.25
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	4	0.25
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	4	0.25
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	15	0.25
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	15	0.25
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	19	0.25
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	2	0.25
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	14	0.25
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	20	0.25
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	3	0.25
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	11	0.25
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	20	0.25
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	2	0.25
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	2	0.25
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	2	0.25
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	6	0.25
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	6	0.25
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	6	0.25
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	8	0.25
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	8	0.25
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	8	0.25
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	10	0.25
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	10	0.25
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	10	0.25
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	4	0.25
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	4	0.25
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	4	0.25
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	10	0.25
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	10	0.25
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	10	0.25
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	13	0.25
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	13	0.25
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	13	0.25
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	13	0.25
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	13	0.25
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	13	0.25
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	13	0.25
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	13	0.25
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	13	0.25
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	2	0.25
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	2	0.25
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	2	0.25
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	2	0.25
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	2	0.25
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	2	0.25
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	2	0.25
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	2	0.25
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	16	0.25
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	16	0.25
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	16	0.25
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	3	0.25
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	3	0.25
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	3	0.25
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	3	0.25
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	3	0.25
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	3	0.25
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	1	0.25
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	1	0.25
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	12	0.25
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	12	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	4	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	4	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	5	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	5	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	8	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	8	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	14	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	14	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	16	0.25
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	16	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	4	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	4	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	5	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	5	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	8	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	8	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	14	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	14	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	16	0.25
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	16	0.25
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	9	0.25
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	9	0.25
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	9	0.25
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	9	0.25
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	15	0.25
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	15	0.25
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	15	0.25
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	15	0.25
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	1	0.25
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	9	0.25
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	9	0.25
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	10	0.25
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	10	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	1	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	1	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	1	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	1	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	2	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	2	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	2	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	2	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	8	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	8	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	8	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	8	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	11	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	11	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	11	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	11	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	13	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	13	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	13	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	13	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	14	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	14	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	14	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	14	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	15	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	15	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	15	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	15	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	16	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	16	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	16	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	16	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	17	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	17	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	17	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	17	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	19	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	19	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	19	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.25
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	20	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	0.25
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.25
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	1	0.25
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	1	0.25
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	4	0.25
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	4	0.25
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	11	0.25
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	11	0.25
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	1	0.25
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	1	0.25
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	7	0.25
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	7	0.25
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	16	0.25
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	16	0.25
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	19	0.25
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	19	0.25
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	19	0.25
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	19	0.25
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	19	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	4	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	5	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	8	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	14	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	17	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	19	0.25
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	20	0.25
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	2	0.25
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	2	0.25
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	2	0.25
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	2	0.25
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	2	0.25
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	2	0.25
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	2	0.25
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	2	0.25
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	2	0.25
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	2	0.25
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	2	0.25
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	3	0.25
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	3	0.25
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	3	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	4	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	4	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	4	0.25
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	4	0.25
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	4	0.25
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	4	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	20	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	20	0.25
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	20	0.25
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	20	0.25
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	20	0.25
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	20	0.25
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	3	0.25
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	3	0.25
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	5	0.25
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	5	0.25
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	9	0.25
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	9	0.25
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	9	0.25
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	9	0.25
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	9	0.25
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	9	0.25
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	8	0.25
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	8	0.25
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	8	0.25
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	8	0.25
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	8	0.25
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	8	0.25
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	8	0.25
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	8	0.25
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	8	0.25
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	8	0.25
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	8	0.25
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	8	0.25
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	8	0.25
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	17	0.25
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	17	0.25
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	17	0.25
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	17	0.25
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	17	0.25
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	17	0.25
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	17	0.25
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	17	0.25
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	17	0.25
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	17	0.25
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	17	0.25
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	11	0.25
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	2	0.25
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	10	0.25
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	13	0.25
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	5	0.25
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	5	0.25
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	19	0.25
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	19	0.25
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	7	0.25
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	7	0.25
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	7	0.25
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	7	0.25
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	7	0.25
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	7	0.25
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	7	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD11	1	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD12	1	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD13	1	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD21	1	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD22	1	0.25
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD23	1	0.25
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	3	0.25
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	17	0.25
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	5	0.25
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	5	0.25
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	5	0.25
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	5	0.25
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	8	0.25
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	10	0.25
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	19	0.25
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	4	0.25
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	4	0.25
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	11	0.25
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	15	0.25
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	15	0.25
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	20	0.25
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	20	0.25
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	4	0.25
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	4	0.25
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	11	0.25
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	11	0.25
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	15	0.25
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	15	0.25
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	15	0.25
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	15	0.25
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	15	0.25
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	15	0.25
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	15	0.25
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	15	0.25
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	15	0.25
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	15	0.25
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	15	0.25
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	15	0.25
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	15	0.25
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	15	0.25
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	15	0.25
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	15	0.25
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	15	0.25
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	15	0.25
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	15	0.25
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	15	0.25
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	15	0.25
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	15	0.25
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	15	0.25
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	15	0.25
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	15	0.25
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	15	0.25
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	15	0.25
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	15	0.25
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	15	0.25
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	15	0.25
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	15	0.25
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	15	0.25
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	15	0.25
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	15	0.25
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	15	0.25
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	15	0.25
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	15	0.25
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	6	0.25
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	6	0.25
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	6	0.25
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	6	0.25
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	6	0.25
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	6	0.25
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	7	0.25
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	7	0.25
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	7	0.25
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	7	0.25
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	7	0.25
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	7	0.25
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	14	0.25
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	14	0.25
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	14	0.25
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	14	0.25
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	14	0.25
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	14	0.25
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	11	0.25
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	11	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	3	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	3	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	3	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	4	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	4	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	4	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	8	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	8	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	8	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	11	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	11	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	11	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	12	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	12	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	12	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	13	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	13	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	16	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	16	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	16	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	20	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	20	0.25
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	20	0.25
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	11	0.25
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	11	0.25
(4,1954)	1:64:A:ARG:HG2	1:63:A:TYR:HA	3	0.25
(4,1954)	1:64:A:ARG:HG3	1:63:A:TYR:HA	3	0.25
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	4	0.25
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	5	0.25
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	7	0.25
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	10	0.25
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	12	0.25
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	15	0.25
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	3	0.25
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	3	0.25
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	4	0.25
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	4	0.25
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	7	0.25
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	7	0.25
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	14	0.25
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	14	0.25
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	20	0.25
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	20	0.25
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	10	0.25
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	10	0.25
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	10	0.25
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	11	0.25
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	11	0.25
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	11	0.25
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	11	0.25
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	11	0.25
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	11	0.25
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	11	0.25
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	11	0.25
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	11	0.25
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	12	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	6	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	6	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	9	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	9	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	9	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	13	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	13	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	13	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	14	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	14	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	14	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	18	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	18	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	18	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	20	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	20	0.25
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	20	0.25
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	12	0.25
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD11	10	0.25
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD12	10	0.25
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD13	10	0.25
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD11	10	0.25
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD12	10	0.25
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD13	10	0.25
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	8	0.25
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	16	0.25
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	20	0.25
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	20	0.25
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	20	0.25
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	20	0.25
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	20	0.25
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	20	0.25
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	1	0.25
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	16	0.25
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	1	0.25
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	1	0.25
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	1	0.25
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	1	0.25
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	1	0.25
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	1	0.25
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	1	0.25
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	1	0.25
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	1	0.25
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	1	0.25
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	1	0.25
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	7	0.25
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	7	0.25
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	7	0.25
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	7	0.25
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	7	0.25
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	7	0.25
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	7	0.25
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	7	0.25
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	7	0.25
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	7	0.25
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	7	0.25
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	7	0.25
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD21	20	0.25
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD22	20	0.25
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD23	20	0.25
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD21	20	0.25
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD22	20	0.25
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD23	20	0.25
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD21	20	0.25
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD22	20	0.25
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD23	20	0.25
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD21	20	0.25
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD22	20	0.25
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD23	20	0.25
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD21	20	0.25
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD22	20	0.25
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD23	20	0.25
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD21	20	0.25
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD22	20	0.25
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD23	20	0.25
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	4	0.25
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	4	0.25
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	4	0.25
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	4	0.25
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	4	0.25
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	4	0.25
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	4	0.25
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	4	0.25
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG21	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG22	5	0.25
(4,1594)	1:26:A:VAL:HG11	1:30:A:THR:HG23	5	0.25
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG21	5	0.25
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG22	5	0.25
(4,1594)	1:26:A:VAL:HG12	1:30:A:THR:HG23	5	0.25
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG21	5	0.25
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG22	5	0.25
(4,1594)	1:26:A:VAL:HG13	1:30:A:THR:HG23	5	0.25
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG21	5	0.25
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG22	5	0.25
(4,1594)	1:26:A:VAL:HG21	1:30:A:THR:HG23	5	0.25
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG21	5	0.25
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG22	5	0.25
(4,1594)	1:26:A:VAL:HG22	1:30:A:THR:HG23	5	0.25
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG21	5	0.25
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG22	5	0.25
(4,1594)	1:26:A:VAL:HG23	1:30:A:THR:HG23	5	0.25
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	9	0.25
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	9	0.25
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	9	0.25
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	1	0.25
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	1	0.25
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	1	0.25
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	1	0.25
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	1	0.25
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	1	0.25
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	1	0.25
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	1	0.25
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	1	0.25
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	1	0.25
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	1	0.25
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	16	0.25
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	16	0.25
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	18	0.25
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	18	0.25
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	18	0.25
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	18	0.25
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	18	0.25
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	18	0.25
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	3	0.25
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	3	0.25
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	3	0.25
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	3	0.25
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	3	0.25
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	3	0.25
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	3	0.25
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	3	0.25
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	14	0.25
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	14	0.25
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	14	0.25
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	18	0.25
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	18	0.25
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	18	0.25
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	18	0.25
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	18	0.25
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	18	0.25
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	1	0.25
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	1	0.25
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	1	0.25
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	1	0.25
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	1	0.25
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	1	0.25
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	1	0.25
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	1	0.25
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	1	0.25
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	1	0.25
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	1	0.25
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	1	0.25
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	1	0.25
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	1	0.25
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	1	0.25
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	1	0.25
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	1	0.25
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	1	0.25
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	15	0.25
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB2	13	0.25
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB3	13	0.25
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB2	13	0.25
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB3	13	0.25
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB2	13	0.25
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB3	13	0.25
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB2	13	0.25
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB2	13	0.25
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB3	13	0.25
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB2	13	0.25
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB3	13	0.25
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	6	0.25
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	6	0.25
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	6	0.25
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	6	0.25
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	19	0.25
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	2	0.25
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	2	0.25
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	2	0.25
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	12	0.25
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	12	0.25
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	12	0.25
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	13	0.25
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	13	0.25
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	13	0.25
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	13	0.25
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	17	0.25
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	17	0.25
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	17	0.25
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	17	0.25
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	15	0.25
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	15	0.25
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	15	0.25
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	15	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	5	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	5	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	5	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	5	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	5	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	5	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	17	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	17	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	17	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	17	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	17	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	17	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	18	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	18	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	18	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	18	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	18	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	20	0.25
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	20	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	20	0.25
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	20	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	20	0.25
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	20	0.25
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	7	0.25
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	7	0.25
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	7	0.25
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	7	0.25
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	3	0.25
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	12	0.25
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	10	0.25
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	3	0.25
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	3	0.25
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	3	0.25
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	3	0.25
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	6	0.25
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	6	0.25
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	6	0.25
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	6	0.25
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	7	0.25
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	7	0.25
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	7	0.25
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	7	0.25
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	7	0.25
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	7	0.25
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	7	0.25
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	7	0.25
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	7	0.25
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	7	0.25
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	7	0.25
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	7	0.25
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	7	0.25
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	7	0.25
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	7	0.25
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	7	0.25
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	7	0.25
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	7	0.25
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	7	0.25
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	7	0.25
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	7	0.25
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	7	0.25
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	7	0.25
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	7	0.25
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	7	0.25
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	11	0.25
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	11	0.25
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	15	0.25
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	15	0.25
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	14	0.25
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	14	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	1	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	1	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	1	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	4	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	4	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	4	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	5	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	5	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	5	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	8	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	8	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	8	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	9	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	9	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	9	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	10	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	10	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	10	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	11	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	11	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	11	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	13	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	13	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	13	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	14	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	14	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	14	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	16	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	16	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	17	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	17	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	17	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	18	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	18	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	18	0.25
(4,1115)	1:134:A:VAL:HG21	1:134:A:VAL:HB	19	0.25
(4,1115)	1:134:A:VAL:HG22	1:134:A:VAL:HB	19	0.25
(4,1115)	1:134:A:VAL:HG23	1:134:A:VAL:HB	19	0.25
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	12	0.25
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	12	0.25
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	12	0.25
(4,1114)	1:134:A:VAL:HG11	1:134:A:VAL:HB	18	0.25
(4,1114)	1:134:A:VAL:HG12	1:134:A:VAL:HB	18	0.25
(4,1114)	1:134:A:VAL:HG13	1:134:A:VAL:HB	18	0.25
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	13	0.25
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	14	0.25
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	18	0.25
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	18	0.25
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	18	0.25
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	18	0.25
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	8	0.25
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	8	0.25
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	12	0.25
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	12	0.25
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	14	0.25
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	14	0.25
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	20	0.25
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	20	0.25
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	4	0.25
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	4	0.25
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	2	0.25
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	2	0.25
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	6	0.25
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	6	0.25
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	3	0.25
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	3	0.25
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	8	0.25
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	8	0.25
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	3	0.25
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	8	0.25
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	8	0.25
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	4	0.25
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	12	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD11	6	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD12	6	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD13	6	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD21	6	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD22	6	0.25
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD23	6	0.25
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	15	0.25
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	15	0.25
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	17	0.25
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	17	0.25
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	15	0.25
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	15	0.25
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	17	0.25
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	17	0.25
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	15	0.25
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	15	0.25
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	17	0.25
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	17	0.25
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	15	0.25
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	15	0.25
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	17	0.25
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	17	0.25
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	7	0.25
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	7	0.25
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	7	0.25
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	7	0.25
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	19	0.25
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	19	0.25
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	10	0.25
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	10	0.25
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	2	0.25
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	2	0.25
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	20	0.25
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	20	0.25
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	2	0.25
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	2	0.25
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	20	0.25
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	9	0.25
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	9	0.25
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	9	0.25
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	9	0.25
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	9	0.25
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	9	0.25
(4,776)	1:89:A:VAL:HA	1:89:A:VAL:HB	8	0.25
(4,775)	1:89:A:VAL:HA	1:89:A:VAL:HB	8	0.25
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	1	0.25
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	1	0.25
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	5	0.25
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	5	0.25
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	10	0.25
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	10	0.25
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	10	0.25
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	16	0.25
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	16	0.25
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	16	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	1	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	1	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	2	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	2	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	5	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	5	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	6	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	6	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	8	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	8	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	9	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	9	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	12	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	12	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	14	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	14	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	19	0.25
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	19	0.25
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	14	0.25
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	14	0.25
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	17	0.25
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	17	0.25
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	11	0.25
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	11	0.25
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	11	0.25
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	11	0.25
(4,661)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	11	0.25
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	11	0.25
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	11	0.25
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	11	0.25
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	11	0.25
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	11	0.25
(4,661)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	11	0.25
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	11	0.25
(4,656)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	11	0.25
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	11	0.25
(4,656)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	11	0.25
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	11	0.25
(4,656)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	11	0.25
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	11	0.25
(4,656)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	11	0.25
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	11	0.25
(4,656)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	11	0.25
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	11	0.25
(4,656)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	11	0.25
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	11	0.25
(4,655)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	11	0.25
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	11	0.25
(4,655)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	11	0.25
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	11	0.25
(4,655)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	11	0.25
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	11	0.25
(4,655)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	11	0.25
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	11	0.25
(4,655)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	11	0.25
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	11	0.25
(4,655)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	11	0.25
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	11	0.25
(4,654)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	11	0.25
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	11	0.25
(4,654)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	11	0.25
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	11	0.25
(4,654)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	11	0.25
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,654)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	11	0.25
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	11	0.25
(4,654)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	11	0.25
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	11	0.25
(4,654)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	11	0.25
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB2	11	0.25
(4,653)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	11	0.25
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB2	11	0.25
(4,653)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	11	0.25
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB2	11	0.25
(4,653)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	11	0.25
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB2	11	0.25
(4,653)	1:76:A:LEU:HD21	1:76:A:LEU:HB3	11	0.25
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB2	11	0.25
(4,653)	1:76:A:LEU:HD22	1:76:A:LEU:HB3	11	0.25
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB2	11	0.25
(4,653)	1:76:A:LEU:HD23	1:76:A:LEU:HB3	11	0.25
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	18	0.25
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	18	0.25
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	18	0.25
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	18	0.25
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	18	0.25
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	18	0.25
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	18	0.25
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	18	0.25
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	5	0.25
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	5	0.25
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	14	0.25
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	14	0.25
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	6	0.25
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	6	0.25
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	6	0.25
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	6	0.25
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	6	0.25
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	6	0.25
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	5	0.25
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	5	0.25
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	5	0.25
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	5	0.25
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	5	0.25
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	5	0.25
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	13	0.25
(4,537)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	13	0.25
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	13	0.25
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	13	0.25
(4,537)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	13	0.25
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	5	0.25
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	5	0.25
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	6	0.25
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	6	0.25
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	11	0.25
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	11	0.25
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	13	0.25
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	13	0.25
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	15	0.25
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	15	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	5	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	5	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	6	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	6	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	11	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	11	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	13	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	13	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	15	0.25
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	15	0.25
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB2	16	0.25
(4,497)	1:44:A:PHE:HA	1:44:A:PHE:HB3	16	0.25
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB2	16	0.25
(4,496)	1:44:A:PHE:HA	1:44:A:PHE:HB3	16	0.25
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	4	0.25
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	4	0.25
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD21	13	0.25
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD22	13	0.25
(4,477)	1:39:A:LEU:HA	1:39:A:LEU:HD23	13	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	2	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	2	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	3	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	3	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	5	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	5	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	9	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	13	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	13	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	14	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	14	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	15	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	15	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	16	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	16	0.25
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	20	0.25
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	20	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	2	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	2	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	3	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	3	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	5	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	5	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	9	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	9	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	13	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	13	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	14	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	14	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	15	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	15	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	16	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	16	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	20	0.25
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	20	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	2	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	2	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	3	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	3	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	5	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	5	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	9	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	9	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	13	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	13	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	14	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	14	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	15	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	16	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	16	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	20	0.25
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	20	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	2	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	2	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	3	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	3	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	5	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	5	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	9	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	9	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	13	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	13	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	14	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	14	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	15	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	15	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	16	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	16	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	20	0.25
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	20	0.25
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	10	0.25
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	10	0.25
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	10	0.25
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	10	0.25
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	10	0.25
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	10	0.25
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	10	0.25
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	10	0.25
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	10	0.25
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	10	0.25
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	10	0.25
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	10	0.25
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	11	0.25
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	11	0.25
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	11	0.25
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	11	0.25
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	11	0.25
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	11	0.25
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	11	0.25
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	11	0.25
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	11	0.25
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	11	0.25
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	11	0.25
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	5	0.25
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	5	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	3	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	3	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	3	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	5	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	5	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	5	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	6	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	6	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	6	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	7	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	7	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	7	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	8	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	8	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	8	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	10	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	10	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	10	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	11	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	11	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	11	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	12	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	12	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	12	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	13	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	13	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	13	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	14	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	14	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	14	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	15	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	15	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	15	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	16	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	16	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	17	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	17	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	17	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	18	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	18	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	18	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	19	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	19	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	19	0.25
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	20	0.25
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	20	0.25
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	20	0.25
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG2	12	0.25
(4,319)	1:24:A:GLU:HA	1:24:A:GLU:HG3	12	0.25
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	20	0.25
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	20	0.25
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	20	0.25
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	20	0.25
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	5	0.25
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	5	0.25
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	5	0.25
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	5	0.25
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	5	0.25
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	9	0.25
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	9	0.25
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	9	0.25
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	9	0.25
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	17	0.25
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	17	0.25
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	17	0.25
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	17	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	13	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	13	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	13	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	13	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	13	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	13	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	13	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	13	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	13	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	13	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	13	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	18	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	18	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	18	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	18	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	18	0.25
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	18	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	18	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	18	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	18	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	18	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	18	0.25
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	18	0.25
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	5	0.25
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	5	0.25
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	5	0.25
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	5	0.25
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	5	0.25
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	5	0.25
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	17	0.25
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	17	0.25
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	17	0.25
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	17	0.25
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	17	0.25
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	17	0.25
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	3	0.25
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	3	0.25
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	3	0.25
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	3	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	1	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	1	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	1	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	1	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	6	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	6	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	6	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	6	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	11	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	11	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	11	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	11	0.25
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	14	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	14	0.25
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	14	0.25
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	7	0.25
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	7	0.25
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	7	0.25
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	7	0.25
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	7	0.25
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	7	0.25
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	7	0.25
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	7	0.25
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	7	0.25
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	7	0.25
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	7	0.25
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	7	0.25
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	7	0.25
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	7	0.25
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	7	0.25
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	7	0.25
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	7	0.25
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	7	0.25
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	7	0.25
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	7	0.25
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	7	0.25
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	7	0.25
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	7	0.25
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	7	0.25
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	7	0.25
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	7	0.25
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	7	0.25
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	7	0.25
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	7	0.25
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	7	0.25
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	7	0.25
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	7	0.25
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	7	0.25
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	7	0.25
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	7	0.25
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	7	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	1	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	1	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	5	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	6	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	6	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	8	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	8	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	11	0.25
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	11	0.25
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	17	0.25
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	20	0.25
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	12	0.24
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	12	0.24
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	4	0.24
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	4	0.24
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	7	0.24
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	7	0.24
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	6	0.24
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	6	0.24
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	9	0.24
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	9	0.24
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	17	0.24
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	17	0.24
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	19	0.24
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	19	0.24
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	1	0.24
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	1	0.24
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	4	0.24
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	4	0.24
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	4	0.24
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	4	0.24
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	4	0.24
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	4	0.24
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	9	0.24
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	9	0.24
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	9	0.24
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	15	0.24
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	15	0.24
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	15	0.24
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	15	0.24
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	12	0.24
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	12	0.24
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	18	0.24
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1240)	1:90:A:LYS:HG2	1:90:A:LYS:H	2	0.24
(6,1240)	1:90:A:LYS:HG3	1:90:A:LYS:H	2	0.24
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	12	0.24
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	12	0.24
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	12	0.24
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	12	0.24
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	12	0.24
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	12	0.24
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	13	0.24
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	13	0.24
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	13	0.24
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	13	0.24
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	13	0.24
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	13	0.24
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	16	0.24
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	16	0.24
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	8	0.24
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	11	0.24
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	15	0.24
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	16	0.24
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	16	0.24
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	16	0.24
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	16	0.24
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	16	0.24
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	16	0.24
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	6	0.24
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	6	0.24
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	6	0.24
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	6	0.24
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	6	0.24
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	6	0.24
(6,1037)	1:33:A:LYS:HG2	1:33:A:LYS:H	5	0.24
(6,1037)	1:33:A:LYS:HG3	1:33:A:LYS:H	5	0.24
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	13	0.24
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	13	0.24
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	11	0.24
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	11	0.24
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	3	0.24
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	3	0.24
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	18	0.24
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	18	0.24
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	8	0.24
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	1	0.24
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	1	0.24
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	15	0.24
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	15	0.24
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	12	0.24
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	15	0.24
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	19	0.24
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	19	0.24
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	18	0.24
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	1	0.24
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	1	0.24
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	6	0.24
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	12	0.24
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	14	0.24
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	16	0.24
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	19	0.24
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	11	0.24
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	11	0.24
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	11	0.24
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	6	0.24
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	6	0.24
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	6	0.24
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	6	0.24
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	6	0.24
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	6	0.24
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	17	0.24
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	17	0.24
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	4	0.24
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	4	0.24
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	17	0.24
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	17	0.24
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	4	0.24
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	4	0.24
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	17	0.24
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	17	0.24
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	6	0.24
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	6	0.24
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	6	0.24
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	6	0.24
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	6	0.24
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,704)	1:93:A:SER:H	1:94:A:SER:H	4	0.24
(6,704)	1:93:A:SER:H	1:94:A:SER:H	9	0.24
(6,699)	1:93:A:SER:H	1:94:A:SER:H	4	0.24
(6,699)	1:93:A:SER:H	1:94:A:SER:H	9	0.24
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	9	0.24
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	9	0.24
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	15	0.24
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	20	0.24
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	20	0.24
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	20	0.24
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	20	0.24
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	20	0.24
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	20	0.24
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	3	0.24
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	5	0.24
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	7	0.24
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	12	0.24
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	9	0.24
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	3	0.24
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	10	0.24
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	10	0.24
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	14	0.24
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	16	0.24
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	8	0.24
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	8	0.24
(6,567)	1:111:A:LEU:HD11	1:111:A:LEU:H	10	0.24
(6,567)	1:111:A:LEU:HD12	1:111:A:LEU:H	10	0.24
(6,567)	1:111:A:LEU:HD13	1:111:A:LEU:H	10	0.24
(6,567)	1:111:A:LEU:HD21	1:111:A:LEU:H	10	0.24
(6,567)	1:111:A:LEU:HD22	1:111:A:LEU:H	10	0.24
(6,567)	1:111:A:LEU:HD23	1:111:A:LEU:H	10	0.24
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	11	0.24
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	17	0.24
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG2	4	0.24
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG3	4	0.24
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	2	0.24
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	2	0.24
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	2	0.24
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	20	0.24
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	20	0.24
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	20	0.24
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	9	0.24
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	2	0.24
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	2	0.24
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	18	0.24
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	18	0.24
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	14	0.24
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	14	0.24
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	3	0.24
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	3	0.24
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	3	0.24
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG11	20	0.24
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG12	20	0.24
(6,429)	1:125:A:LEU:H	1:28:A:VAL:HG13	20	0.24
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	1	0.24
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	1	0.24
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	1	0.24
(6,346)	1:59:A:ILE:HG21	1:132:A:ILE:H	19	0.24
(6,346)	1:59:A:ILE:HG22	1:132:A:ILE:H	19	0.24
(6,346)	1:59:A:ILE:HG23	1:132:A:ILE:H	19	0.24
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	3	0.24
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	3	0.24
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	18	0.24
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	16	0.24
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	17	0.24
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	17	0.24
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	11	0.24
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	11	0.24
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	12	0.24
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	17	0.24
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	7	0.24
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	7	0.24
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	17	0.24
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	17	0.24
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	18	0.24
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	18	0.24
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	17	0.24
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	17	0.24
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	1	0.24
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	1	0.24
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	6	0.24
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	6	0.24
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	3	0.24
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	11	0.24
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	11	0.24
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	15	0.24
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	15	0.24
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	18	0.24
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	18	0.24
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	13	0.24
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	13	0.24
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	4	0.24
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	14	0.24
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	15	0.24
(6,59)	1:6:A:SER:HB2	1:8:A:LEU:H	8	0.24
(6,59)	1:6:A:SER:HB3	1:8:A:LEU:H	8	0.24
(6,52)	1:9:A:LYS:HD2	1:7:A:GLN:H	7	0.24
(6,52)	1:9:A:LYS:HD3	1:7:A:GLN:H	7	0.24
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	10	0.24
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	10	0.24
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	10	0.24
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	10	0.24
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	10	0.24
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	10	0.24
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	1	0.24
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	1	0.24
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	2	0.24
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	2	0.24
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	7	0.24
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	7	0.24
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	1	0.24
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	1	0.24
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	2	0.24
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	2	0.24
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	7	0.24
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	7	0.24
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	7	0.24
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	7	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	7	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	7	0.24
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	13	0.24
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	13	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	13	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	16	0.24
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	16	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	16	0.24
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	16	0.24
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	13	0.24
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	13	0.24
(4,2899)	1:143:A:SER:HB2	1:144:A:ARG:HA	5	0.24
(4,2899)	1:143:A:SER:HB3	1:144:A:ARG:HA	5	0.24
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	17	0.24
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	17	0.24
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	17	0.24
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	17	0.24
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	17	0.24
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	17	0.24
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	9	0.24
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	9	0.24
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	3	0.24
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	3	0.24
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	3	0.24
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	3	0.24
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	3	0.24
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	3	0.24
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	8	0.24
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	8	0.24
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	8	0.24
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	8	0.24
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	8	0.24
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	8	0.24
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	17	0.24
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	17	0.24
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	17	0.24
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	17	0.24
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	5	0.24
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	13	0.24
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	18	0.24
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	16	0.24
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	16	0.24
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	16	0.24
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	2	0.24
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	2	0.24
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	2	0.24
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	9	0.24
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	9	0.24
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	18	0.24
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	18	0.24
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	18	0.24
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	18	0.24
(4,2727)	1:129:A:GLN:HB2	1:129:A:GLN:H	6	0.24
(4,2727)	1:129:A:GLN:HB3	1:129:A:GLN:H	6	0.24
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	3	0.24
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	3	0.24
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	3	0.24
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	3	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	1	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	1	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	3	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	3	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	4	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	4	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	5	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	5	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	8	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	8	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	9	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	9	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	10	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	10	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	12	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	12	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	14	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	14	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	15	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	15	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	18	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	18	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	20	0.24
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	20	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	1	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	1	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	3	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	3	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	4	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	5	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	5	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	8	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	8	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	9	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	9	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	10	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	10	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	12	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	12	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	14	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	14	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	15	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	15	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	18	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	18	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	20	0.24
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	20	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	3	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	3	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	3	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	3	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	3	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	3	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	3	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	3	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	3	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	3	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	3	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	3	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	4	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	4	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	4	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	4	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	4	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	4	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	4	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	4	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	4	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	4	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	4	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	6	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	6	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	6	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	6	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	6	0.24
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	6	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	6	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	6	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	6	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	6	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	6	0.24
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	6	0.24
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	17	0.24
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	17	0.24
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	9	0.24
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	9	0.24
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	9	0.24
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	9	0.24
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	10	0.24
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	10	0.24
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	17	0.24
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	17	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	9	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	9	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	13	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	13	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	17	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	17	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	18	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	18	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	19	0.24
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	19	0.24
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG21	18	0.24
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG22	18	0.24
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG23	18	0.24
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG21	18	0.24
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG22	18	0.24
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG23	18	0.24
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG21	18	0.24
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG22	18	0.24
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG23	18	0.24
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	2	0.24
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	16	0.24
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	16	0.24
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	10	0.24
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	10	0.24
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	10	0.24
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	7	0.24
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	10	0.24
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	12	0.24
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	16	0.24
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	8	0.24
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	8	0.24
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	1	0.24
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	1	0.24
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	19	0.24
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	19	0.24
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	19	0.24
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	19	0.24
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	19	0.24
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	19	0.24
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	2	0.24
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	2	0.24
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	16	0.24
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	16	0.24
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	10	0.24
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	15	0.24
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	3	0.24
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	3	0.24
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	3	0.24
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	3	0.24
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	2	0.24
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	2	0.24
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	2	0.24
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	2	0.24
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	2	0.24
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	2	0.24
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	2	0.24
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	2	0.24
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	2	0.24
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	2	0.24
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	2	0.24
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	9	0.24
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	14	0.24
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	16	0.24
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	1	0.24
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	1	0.24
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	3	0.24
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	3	0.24
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	5	0.24
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	5	0.24
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	12	0.24
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	12	0.24
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	14	0.24
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	14	0.24
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	20	0.24
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	20	0.24
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	5	0.24
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	5	0.24
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	5	0.24
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	5	0.24
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	5	0.24
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	5	0.24
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	5	0.24
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	5	0.24
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	14	0.24
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	14	0.24
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	14	0.24
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	14	0.24
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	14	0.24
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	14	0.24
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	12	0.24
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	12	0.24
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	12	0.24
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	12	0.24
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	12	0.24
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	12	0.24
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	10	0.24
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	13	0.24
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	14	0.24
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	10	0.24
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	10	0.24
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	20	0.24
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	10	0.24
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	10	0.24
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	20	0.24
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	20	0.24
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	11	0.24
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	11	0.24
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	11	0.24
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	11	0.24
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	14	0.24
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	14	0.24
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	14	0.24
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	14	0.24
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB2	7	0.24
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB3	7	0.24
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB2	7	0.24
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB3	7	0.24
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB2	7	0.24
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB3	7	0.24
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	16	0.24
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	18	0.24
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	18	0.24
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	11	0.24
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	11	0.24
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	12	0.24
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	12	0.24
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	19	0.24
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	19	0.24
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	18	0.24
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	18	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	7	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	7	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	7	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	7	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	7	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	7	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	7	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	7	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	7	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	7	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	7	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	7	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	7	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	7	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	7	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	7	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	7	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	7	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	7	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	7	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	7	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	7	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	7	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	7	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	7	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	7	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	7	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	7	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	7	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	7	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	7	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	7	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	7	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	7	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	7	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	8	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	8	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	8	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	8	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	8	0.24
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	8	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	8	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	8	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	8	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	8	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	8	0.24
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	8	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	8	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	8	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	8	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	8	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	8	0.24
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	8	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	8	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	8	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	8	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	8	0.24
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	8	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	8	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	8	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	8	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	8	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	8	0.24
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	8	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	8	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	8	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	8	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	8	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	8	0.24
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	8	0.24
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	12	0.24
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	12	0.24
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	12	0.24
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	12	0.24
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	18	0.24
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	18	0.24
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	18	0.24
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	18	0.24
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	11	0.24
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	11	0.24
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	11	0.24
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	20	0.24
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	20	0.24
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	20	0.24
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	9	0.24
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	9	0.24
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	9	0.24
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	9	0.24
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	9	0.24
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	9	0.24
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	16	0.24
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	16	0.24
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	16	0.24
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	16	0.24
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	16	0.24
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	7	0.24
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	7	0.24
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	10	0.24
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	10	0.24
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	19	0.24
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	19	0.24
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	20	0.24
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	20	0.24
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	1	0.24
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	2	0.24
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	4	0.24
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	9	0.24
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	19	0.24
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	11	0.24
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	11	0.24
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	11	0.24
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	11	0.24
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	11	0.24
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	11	0.24
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	11	0.24
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	11	0.24
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	11	0.24
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	17	0.24
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	17	0.24
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	3	0.24
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	3	0.24
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	3	0.24
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	16	0.24
(4,1872)	1:59:A:ILE:HB	1:59:A:ILE:H	18	0.24
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	11	0.24
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	11	0.24
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	18	0.24
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	18	0.24
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	19	0.24
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	19	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	4	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	4	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	4	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	16	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	16	0.24
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD11	4	0.24
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD12	4	0.24
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD13	4	0.24
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD11	4	0.24
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD12	4	0.24
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD13	4	0.24
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD11	4	0.24
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD12	4	0.24
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD13	4	0.24
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	7	0.24
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	7	0.24
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	10	0.24
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	10	0.24
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	15	0.24
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	15	0.24
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	15	0.24
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	15	0.24
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	15	0.24
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	15	0.24
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD11	16	0.24
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD12	16	0.24
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD13	16	0.24
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD11	16	0.24
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD12	16	0.24
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD13	16	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	1	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	2	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	3	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	4	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	5	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	9	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	10	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	14	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	15	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	17	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	18	0.24
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	20	0.24
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	1	0.24
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	16	0.24
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	16	0.24
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	16	0.24
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	16	0.24
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	16	0.24
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	16	0.24
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	16	0.24
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	16	0.24
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	16	0.24
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	16	0.24
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	16	0.24
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD21	10	0.24
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD22	10	0.24
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD23	10	0.24
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD21	10	0.24
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD22	10	0.24
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD23	10	0.24
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD21	10	0.24
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD22	10	0.24
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD23	10	0.24
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD21	10	0.24
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD22	10	0.24
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD23	10	0.24
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD21	10	0.24
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD22	10	0.24
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD23	10	0.24
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD21	10	0.24
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD22	10	0.24
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD23	10	0.24
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	3	0.24
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	3	0.24
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	3	0.24
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	3	0.24
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	18	0.24
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	18	0.24
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	18	0.24
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	18	0.24
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	18	0.24
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	18	0.24
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	18	0.24
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	18	0.24
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	6	0.24
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	6	0.24
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	6	0.24
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	7	0.24
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	7	0.24
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	8	0.24
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	8	0.24
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	8	0.24
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	8	0.24
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	8	0.24
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	8	0.24
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	8	0.24
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	8	0.24
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	8	0.24
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	9	0.24
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	9	0.24
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	9	0.24
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	9	0.24
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	9	0.24
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	9	0.24
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	9	0.24
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	9	0.24
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	9	0.24
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	2	0.24
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	2	0.24
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	3	0.24
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	3	0.24
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	11	0.24
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	11	0.24
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	11	0.24
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	11	0.24
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	11	0.24
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	11	0.24
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	11	0.24
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	11	0.24
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	11	0.24
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	16	0.24
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	16	0.24
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	16	0.24
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	16	0.24
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	16	0.24
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	16	0.24
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	16	0.24
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	16	0.24
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	20	0.24
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	20	0.24
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	20	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	14	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	14	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	14	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	14	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	14	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	14	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	18	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	18	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	18	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	18	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	18	0.24
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	18	0.24
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG21	4	0.24
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG22	4	0.24
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG23	4	0.24
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG21	4	0.24
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG22	4	0.24
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG23	4	0.24
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	13	0.24
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	13	0.24
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	13	0.24
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	13	0.24
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	13	0.24
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	13	0.24
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	4	0.24
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	12	0.24
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	9	0.24
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	9	0.24
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	9	0.24
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	9	0.24
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	9	0.24
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	9	0.24
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB2	20	0.24
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB3	20	0.24
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB2	20	0.24
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB3	20	0.24
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB2	20	0.24
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB3	20	0.24
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	15	0.24
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	15	0.24
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	15	0.24
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	15	0.24
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	15	0.24
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	15	0.24
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	15	0.24
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	15	0.24
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	15	0.24
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	15	0.24
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	15	0.24
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	15	0.24
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	15	0.24
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	15	0.24
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	15	0.24
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	15	0.24
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	15	0.24
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	15	0.24
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	11	0.24
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	11	0.24
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	11	0.24
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	11	0.24
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	15	0.24
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	15	0.24
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	7	0.24
(4,1371)	1:9:A:LYS:HA	1:18:A:ARG:HB2	8	0.24
(4,1371)	1:9:A:LYS:HA	1:18:A:ARG:HB3	8	0.24
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	10	0.24
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	10	0.24
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	10	0.24
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	10	0.24
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	10	0.24
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	10	0.24
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	7	0.24
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	7	0.24
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	7	0.24
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	7	0.24
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	7	0.24
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	7	0.24
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	7	0.24
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	7	0.24
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	7	0.24
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	7	0.24
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	7	0.24
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	9	0.24
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	9	0.24
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	9	0.24
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	9	0.24
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	1	0.24
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	1	0.24
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	1	0.24
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	1	0.24
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	4	0.24
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	4	0.24
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	4	0.24
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	4	0.24
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	4	0.24
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	18	0.24
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	13	0.24
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	13	0.24
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	1	0.24
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	3	0.24
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	5	0.24
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	11	0.24
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	20	0.24
(4,1087)	1:76:A:LEU:HD11	1:53:A:MET:HE1	16	0.24
(4,1087)	1:76:A:LEU:HD11	1:53:A:MET:HE2	16	0.24
(4,1087)	1:76:A:LEU:HD11	1:53:A:MET:HE3	16	0.24
(4,1087)	1:76:A:LEU:HD12	1:53:A:MET:HE1	16	0.24
(4,1087)	1:76:A:LEU:HD12	1:53:A:MET:HE2	16	0.24
(4,1087)	1:76:A:LEU:HD12	1:53:A:MET:HE3	16	0.24
(4,1087)	1:76:A:LEU:HD13	1:53:A:MET:HE1	16	0.24
(4,1087)	1:76:A:LEU:HD13	1:53:A:MET:HE2	16	0.24
(4,1087)	1:76:A:LEU:HD13	1:53:A:MET:HE3	16	0.24
(4,1087)	1:76:A:LEU:HD21	1:53:A:MET:HE1	16	0.24
(4,1087)	1:76:A:LEU:HD21	1:53:A:MET:HE2	16	0.24
(4,1087)	1:76:A:LEU:HD21	1:53:A:MET:HE3	16	0.24
(4,1087)	1:76:A:LEU:HD22	1:53:A:MET:HE1	16	0.24
(4,1087)	1:76:A:LEU:HD22	1:53:A:MET:HE2	16	0.24
(4,1087)	1:76:A:LEU:HD22	1:53:A:MET:HE3	16	0.24
(4,1087)	1:76:A:LEU:HD23	1:53:A:MET:HE1	16	0.24
(4,1087)	1:76:A:LEU:HD23	1:53:A:MET:HE2	16	0.24
(4,1087)	1:76:A:LEU:HD23	1:53:A:MET:HE3	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	5	0.24
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	5	0.24
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	18	0.24
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	18	0.24
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	12	0.24
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	12	0.24
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	12	0.24
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	12	0.24
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	4	0.24
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	4	0.24
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	12	0.24
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	12	0.24
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	14	0.24
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	14	0.24
(4,952)	1:119:A:HIS:HB2	1:119:A:HIS:HA	19	0.24
(4,952)	1:119:A:HIS:HB3	1:119:A:HIS:HA	19	0.24
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	4	0.24
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	4	0.24
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	12	0.24
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	12	0.24
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	14	0.24
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	14	0.24
(4,951)	1:119:A:HIS:HB2	1:119:A:HIS:HA	19	0.24
(4,951)	1:119:A:HIS:HB3	1:119:A:HIS:HA	19	0.24
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	4	0.24
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	4	0.24
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	12	0.24
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	12	0.24
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	14	0.24
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	14	0.24
(4,950)	1:119:A:HIS:HB2	1:119:A:HIS:HA	19	0.24
(4,950)	1:119:A:HIS:HB3	1:119:A:HIS:HA	19	0.24
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	4	0.24
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	4	0.24
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	12	0.24
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	12	0.24
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	14	0.24
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	14	0.24
(4,949)	1:119:A:HIS:HB2	1:119:A:HIS:HA	19	0.24
(4,949)	1:119:A:HIS:HB3	1:119:A:HIS:HA	19	0.24
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	17	0.24
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	17	0.24
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	17	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	6	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	6	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	6	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	6	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	6	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	6	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	20	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	20	0.24
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	20	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	20	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	20	0.24
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	20	0.24
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	11	0.24
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	11	0.24
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	20	0.24
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	20	0.24
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	20	0.24
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	20	0.24
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	20	0.24
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	20	0.24
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	20	0.24
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	20	0.24
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	4	0.24
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	4	0.24
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	4	0.24
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	4	0.24
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	4	0.24
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	4	0.24
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	4	0.24
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	4	0.24
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	4	0.24
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	3	0.24
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	3	0.24
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	3	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	3	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	3	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	7	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	7	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	10	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	11	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	11	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	13	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	13	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	15	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	15	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	16	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	16	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	17	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	17	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	18	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	18	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	20	0.24
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	20	0.24
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	2	0.24
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	2	0.24
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	4	0.24
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	4	0.24
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	13	0.24
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	13	0.24
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	13	0.24
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	13	0.24
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	13	0.24
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	13	0.24
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	13	0.24
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	13	0.24
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB2	13	0.24
(4,583)	1:62:A:PRO:HA	1:62:A:PRO:HB3	13	0.24
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	17	0.24
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	17	0.24
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	15	0.24
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	15	0.24
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	15	0.24
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	15	0.24
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	15	0.24
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	15	0.24
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	9	0.24
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	9	0.24
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	9	0.24
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	9	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	1	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	4	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	4	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	7	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	7	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	10	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	10	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	11	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	11	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	17	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	17	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	18	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	18	0.24
(4,462)	1:35:A:LEU:HB2	1:35:A:LEU:HA	19	0.24
(4,462)	1:35:A:LEU:HB3	1:35:A:LEU:HA	19	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	1	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	1	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	4	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	4	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	7	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	7	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	10	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	10	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	11	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	11	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	17	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	17	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	18	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	18	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB2	19	0.24
(4,460)	1:35:A:LEU:HA	1:35:A:LEU:HB3	19	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	1	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	1	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	4	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	4	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	7	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	7	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	10	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	10	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	11	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	11	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	17	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	18	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	18	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB2	19	0.24
(4,459)	1:35:A:LEU:HA	1:35:A:LEU:HB3	19	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	1	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	1	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	4	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	4	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	7	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	7	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	10	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	10	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	11	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	11	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	17	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	17	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	18	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	18	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB2	19	0.24
(4,458)	1:35:A:LEU:HA	1:35:A:LEU:HB3	19	0.24
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	4	0.24
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	4	0.24
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	4	0.24
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	4	0.24
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	4	0.24
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	4	0.24
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	4	0.24
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	4	0.24
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	4	0.24
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	4	0.24
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	4	0.24
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	4	0.24
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	20	0.24
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	20	0.24
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	20	0.24
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	20	0.24
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	20	0.24
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	20	0.24
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	20	0.24
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	20	0.24
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	20	0.24
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	20	0.24
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	20	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	3	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	3	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	3	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	3	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	3	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	3	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	3	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	3	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	3	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	3	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	3	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	3	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	13	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	13	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	13	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	13	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	13	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	13	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	13	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	13	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	13	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	13	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	13	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	13	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	15	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	15	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	15	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	15	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	15	0.24
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	15	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	15	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	15	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	15	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	15	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	15	0.24
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	15	0.24
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	1	0.24
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	1	0.24
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	1	0.24
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	2	0.24
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	2	0.24
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	4	0.24
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	4	0.24
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	4	0.24
(4,386)	1:30:A:THR:HG21	1:30:A:THR:HB	9	0.24
(4,386)	1:30:A:THR:HG22	1:30:A:THR:HB	9	0.24
(4,386)	1:30:A:THR:HG23	1:30:A:THR:HB	9	0.24
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	12	0.24
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	12	0.24
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	12	0.24
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	12	0.24
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	13	0.24
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	13	0.24
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	13	0.24
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	13	0.24
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	2	0.24
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	1	0.24
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	1	0.24
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	11	0.24
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	11	0.24
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	14	0.24
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	14	0.24
(4,188)	1:9:A:LYS:HD2	1:9:A:LYS:HA	10	0.24
(4,188)	1:9:A:LYS:HD3	1:9:A:LYS:HA	10	0.24
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	1	0.24
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	1	0.24
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	1	0.24
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	9	0.24
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	9	0.24
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	9	0.24
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	20	0.24
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	20	0.24
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	20	0.24
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	20	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	3	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	3	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	3	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	3	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	4	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	4	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	4	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	5	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	5	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	5	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	5	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	6	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	6	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	6	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	6	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	8	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	8	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	8	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	8	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	9	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	9	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	9	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	9	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	12	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	12	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	12	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	12	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	13	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	13	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	13	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	13	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	14	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	14	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	14	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	14	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	17	0.24
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	17	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	17	0.24
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	17	0.24
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	5	0.24
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	5	0.24
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	5	0.24
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	5	0.24
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	10	0.24
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	10	0.24
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	10	0.24
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	10	0.24
(4,81)	1:97:A:ILE:HD11	1:96:A:THR:HA	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,81)	1:97:A:ILE:HD12	1:96:A:THR:HA	15	0.24
(4,81)	1:97:A:ILE:HD13	1:96:A:THR:HA	15	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	1	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	1	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	1	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	1	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	4	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	4	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	4	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	4	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	6	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	6	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	6	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	6	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	10	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	10	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	10	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	10	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	15	0.24
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	15	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	15	0.24
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	15	0.24
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	15	0.24
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	15	0.24
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	15	0.24
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	15	0.24
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	15	0.24
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	15	0.24
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	15	0.24
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	15	0.24
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	15	0.24
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	15	0.24
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	15	0.24
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	15	0.24
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	18	0.24
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	18	0.24
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	18	0.24
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	18	0.24
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	18	0.24
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	18	0.24
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	16	0.24
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	16	0.24
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	16	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	2	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	2	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	2	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	2	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	3	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	3	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	3	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	3	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	4	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	4	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	4	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	4	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	5	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	5	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	5	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	5	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	7	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	7	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	7	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	7	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	9	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	9	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	9	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	9	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	10	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	10	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	10	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	10	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	12	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	12	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	12	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	12	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	13	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	13	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	13	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	13	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	15	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	15	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	15	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	16	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	16	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	16	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	16	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	17	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	17	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	17	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	17	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	18	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	18	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	18	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	18	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	19	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	19	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	19	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	19	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	20	0.24
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	20	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	20	0.24
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	20	0.24
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	2	0.24
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	2	0.24
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	2	0.24
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	2	0.24
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	10	0.24
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	10	0.24
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	14	0.24
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	14	0.24
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	8	0.23
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	8	0.23
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	13	0.23
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	13	0.23
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	15	0.23
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	15	0.23
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	18	0.23
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	18	0.23
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	9	0.23
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	9	0.23
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	9	0.23
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	9	0.23
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	9	0.23
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	18	0.23
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	18	0.23
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	2	0.23
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	9	0.23
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	9	0.23
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	14	0.23
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	14	0.23
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	16	0.23
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	16	0.23
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	6	0.23
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	6	0.23
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	6	0.23
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	15	0.23
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	15	0.23
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	15	0.23
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	1	0.23
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	1	0.23
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	4	0.23
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	4	0.23
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	9	0.23
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	9	0.23
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	11	0.23
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	11	0.23
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	11	0.23
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	11	0.23
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	14	0.23
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	14	0.23
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	14	0.23
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	14	0.23
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	7	0.23
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	7	0.23
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	7	0.23
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	7	0.23
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	5	0.23
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	5	0.23
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	5	0.23
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	5	0.23
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	5	0.23
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	5	0.23
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	5	0.23
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	5	0.23
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	5	0.23
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	5	0.23
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	5	0.23
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	5	0.23
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	5	0.23
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	5	0.23
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	5	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	8	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	8	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	15	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	15	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	18	0.23
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	18	0.23
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	6	0.23
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	6	0.23
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	6	0.23
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	6	0.23
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	6	0.23
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	6	0.23
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	6	0.23
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	6	0.23
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	5	0.23
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	5	0.23
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	5	0.23
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	5	0.23
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	5	0.23
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	5	0.23
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	20	0.23
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	20	0.23
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	20	0.23
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	20	0.23
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	20	0.23
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	20	0.23
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	15	0.23
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	15	0.23
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	15	0.23
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	2	0.23
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	13	0.23
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	6	0.23
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	6	0.23
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	2	0.23
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	4	0.23
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	4	0.23
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	4	0.23
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	4	0.23
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	4	0.23
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	17	0.23
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	17	0.23
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	15	0.23
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	15	0.23
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	20	0.23
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	20	0.23
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	9	0.23
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	9	0.23
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	9	0.23
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	9	0.23
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	19	0.23
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	19	0.23
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	8	0.23
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	20	0.23
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	20	0.23
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	8	0.23
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	8	0.23
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	15	0.23
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	15	0.23
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	15	0.23
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	15	0.23
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	9	0.23
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	9	0.23
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	10	0.23
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	10	0.23
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	20	0.23
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	20	0.23
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	20	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	3	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	4	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	5	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	7	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	8	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	9	0.23
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	13	0.23
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	7	0.23
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,795)	1:76:A:LEU:HA	1:77:A:LEU:H	2	0.23
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	9	0.23
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	9	0.23
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	16	0.23
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	16	0.23
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	16	0.23
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	16	0.23
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	20	0.23
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	20	0.23
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	20	0.23
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	20	0.23
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	20	0.23
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	20	0.23
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	4	0.23
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	4	0.23
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	19	0.23
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	19	0.23
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	20	0.23
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	20	0.23
(6,704)	1:93:A:SER:H	1:94:A:SER:H	17	0.23
(6,699)	1:93:A:SER:H	1:94:A:SER:H	17	0.23
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	17	0.23
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	17	0.23
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	6	0.23
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	6	0.23
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	14	0.23
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	16	0.23
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	17	0.23
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	18	0.23
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	17	0.23
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	17	0.23
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	4	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	2	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	2	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	3	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	3	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	9	0.23
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	9	0.23
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	10	0.23
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	10	0.23
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	10	0.23
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	7	0.23
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	1	0.23
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	1	0.23
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	9	0.23
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	9	0.23
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	1	0.23
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	4	0.23
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	15	0.23
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	18	0.23
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	1	0.23
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	6	0.23
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	10	0.23
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	10	0.23
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	17	0.23
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	17	0.23
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	19	0.23
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	19	0.23
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	11	0.23
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	11	0.23
(6,343)	1:131:A:MET:HB2	1:132:A:ILE:H	17	0.23
(6,343)	1:131:A:MET:HB3	1:132:A:ILE:H	17	0.23
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	9	0.23
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	9	0.23
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	19	0.23
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	19	0.23
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	7	0.23
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	7	0.23
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	16	0.23
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	16	0.23
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	4	0.23
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	15	0.23
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	20	0.23
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	14	0.23
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	14	0.23
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	8	0.23
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	8	0.23
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	18	0.23
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	18	0.23
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	15	0.23
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	15	0.23
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	8	0.23
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	16	0.23
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	16	0.23
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	17	0.23
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	17	0.23
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	19	0.23
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	19	0.23
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	17	0.23
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	17	0.23
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	1	0.23
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	1	0.23
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	6	0.23
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	6	0.23
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	3	0.23
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	8	0.23
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	5	0.23
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	5	0.23
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	20	0.23
(6,99)	1:9:A:LYS:HD2	1:11:A:MET:H	9	0.23
(6,99)	1:9:A:LYS:HD3	1:11:A:MET:H	9	0.23
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	19	0.23
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	18	0.23
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	9	0.23
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	9	0.23
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	9	0.23
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	9	0.23
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	9	0.23
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	9	0.23
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	11	0.23
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	11	0.23
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	11	0.23
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	11	0.23
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	17	0.23
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	17	0.23
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	17	0.23
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	17	0.23
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	4	0.23
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	4	0.23
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	4	0.23
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	4	0.23
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	4	0.23
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	4	0.23
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	17	0.23
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	17	0.23
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	17	0.23
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	2	0.23
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	2	0.23
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	10	0.23
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	10	0.23
(4,3086)	1:89:A:VAL:HG11	1:91:A:PRO:HD2	11	0.23
(4,3086)	1:89:A:VAL:HG11	1:91:A:PRO:HD3	11	0.23
(4,3086)	1:89:A:VAL:HG12	1:91:A:PRO:HD2	11	0.23
(4,3086)	1:89:A:VAL:HG12	1:91:A:PRO:HD3	11	0.23
(4,3086)	1:89:A:VAL:HG13	1:91:A:PRO:HD2	11	0.23
(4,3086)	1:89:A:VAL:HG13	1:91:A:PRO:HD3	11	0.23
(4,3086)	1:89:A:VAL:HG21	1:91:A:PRO:HD2	11	0.23
(4,3086)	1:89:A:VAL:HG21	1:91:A:PRO:HD3	11	0.23
(4,3086)	1:89:A:VAL:HG22	1:91:A:PRO:HD2	11	0.23
(4,3086)	1:89:A:VAL:HG22	1:91:A:PRO:HD3	11	0.23
(4,3086)	1:89:A:VAL:HG23	1:91:A:PRO:HD2	11	0.23
(4,3086)	1:89:A:VAL:HG23	1:91:A:PRO:HD3	11	0.23
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	20	0.23
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	20	0.23
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	14	0.23
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	14	0.23
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	14	0.23
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	14	0.23
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	20	0.23
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	20	0.23
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	20	0.23
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	20	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	10	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	10	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	10	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	10	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	10	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	10	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	11	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	11	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	11	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	11	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	11	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	11	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	20	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	20	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	20	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	20	0.23
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	20	0.23
(4,2877)	1:127:A:LEU:HA	1:130:A:VAL:HB	20	0.23
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	1	0.23
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	1	0.23
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	14	0.23
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	14	0.23
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	9	0.23
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	9	0.23
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	19	0.23
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	19	0.23
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	9	0.23
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	9	0.23
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	19	0.23
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	19	0.23
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	4	0.23
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	1	0.23
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	17	0.23
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	19	0.23
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	19	0.23
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	19	0.23
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	1	0.23
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	1	0.23
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	1	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	11	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	11	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	11	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	11	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	11	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	11	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	12	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	12	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	12	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	12	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	12	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	12	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	19	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	19	0.23
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	19	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	19	0.23
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	19	0.23
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	17	0.23
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	17	0.23
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	17	0.23
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	17	0.23
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	19	0.23
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	19	0.23
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	19	0.23
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	19	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	1	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	1	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	1	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	1	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	1	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	1	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	1	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	1	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	1	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	1	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	1	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	1	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	3	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	3	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	3	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	3	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	3	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	3	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	3	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	3	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	3	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	3	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	3	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	3	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	11	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	11	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	11	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	11	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	11	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	11	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	11	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	11	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	11	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	11	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	11	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	12	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	12	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	12	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	12	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	12	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	12	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	12	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	12	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	12	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	12	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	12	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	12	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	16	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	16	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	16	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	16	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	16	0.23
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	16	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	16	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	16	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	16	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	16	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	16	0.23
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	16	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	2	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	2	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	6	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	6	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	7	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	7	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	11	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	11	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	13	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	13	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	16	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	16	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	17	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA2	19	0.23
(4,2653)	1:126:A:GLY:H	1:126:A:GLY:HA3	19	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	2	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	2	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	6	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	6	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	7	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	7	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	11	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	11	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	13	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	13	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	16	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	16	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	17	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	17	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA2	19	0.23
(4,2652)	1:126:A:GLY:H	1:126:A:GLY:HA3	19	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	5	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	5	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	5	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	5	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	5	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	5	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	5	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	5	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	5	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	5	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	5	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	5	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	8	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	8	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	8	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	8	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	8	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	8	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	8	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	8	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	8	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	8	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	8	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	9	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	9	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	9	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	9	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	9	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	9	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	9	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	9	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	9	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	9	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	9	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	9	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	11	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	11	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	11	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	11	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	11	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	11	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	11	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	11	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	11	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	11	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	11	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	11	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	15	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	15	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	15	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	15	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	15	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	15	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	15	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	15	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	15	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	15	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	15	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	15	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	18	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	18	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	18	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	18	0.23
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	18	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	18	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	18	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	18	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	18	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	18	0.23
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	18	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	4	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	4	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	5	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	5	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	7	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	7	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	8	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	8	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	16	0.23
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	16	0.23
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	7	0.23
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	19	0.23
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB2	18	0.23
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB3	18	0.23
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB2	18	0.23
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB3	18	0.23
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	15	0.23
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	15	0.23
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	15	0.23
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	15	0.23
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	15	0.23
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	15	0.23
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	15	0.23
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	15	0.23
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	1	0.23
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	1	0.23
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	4	0.23
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	4	0.23
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	5	0.23
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	5	0.23
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	10	0.23
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	10	0.23
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	10	0.23
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	10	0.23
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	10	0.23
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	4	0.23
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	4	0.23
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	4	0.23
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	4	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	2	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	2	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	5	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	5	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	6	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	6	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	7	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	7	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	8	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	8	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	15	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	15	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	16	0.23
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	16	0.23
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	12	0.23
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	12	0.23
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	13	0.23
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	13	0.23
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	1	0.23
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	1	0.23
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	17	0.23
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	17	0.23
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	17	0.23
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	13	0.23
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	15	0.23
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	3	0.23
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	3	0.23
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	9	0.23
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	9	0.23
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	13	0.23
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	13	0.23
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	13	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	1	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	1	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	1	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	1	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	1	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	7	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	7	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	7	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	7	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	7	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	7	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	12	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	12	0.23
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	12	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	12	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	12	0.23
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	12	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	1	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	1	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	9	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	9	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	19	0.23
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	19	0.23
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	9	0.23
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	9	0.23
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD11	12	0.23
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD12	12	0.23
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD13	12	0.23
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD21	12	0.23
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD22	12	0.23
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD23	12	0.23
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD11	12	0.23
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD12	12	0.23
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD13	12	0.23
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD21	12	0.23
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD22	12	0.23
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD23	12	0.23
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	20	0.23
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	1	0.23
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	1	0.23
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB2	11	0.23
(4,2273)	1:86:A:ILE:H	1:85:A:PRO:HB3	11	0.23
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	1	0.23
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	1	0.23
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB2	11	0.23
(4,2272)	1:86:A:ILE:H	1:85:A:PRO:HB3	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	4	0.23
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	13	0.23
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	18	0.23
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	4	0.23
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	7	0.23
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	8	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	2	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	2	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	6	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	6	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	7	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	7	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	9	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	9	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	10	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	10	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	11	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	11	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	13	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	13	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	15	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	15	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	17	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	17	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	18	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	18	0.23
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	19	0.23
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	19	0.23
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	9	0.23
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	9	0.23
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD11	15	0.23
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD12	15	0.23
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD13	15	0.23
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD21	15	0.23
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD22	15	0.23
(4,2184)	1:77:A:LEU:HA	1:77:A:LEU:HD23	15	0.23
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	20	0.23
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD11	7	0.23
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD12	7	0.23
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD13	7	0.23
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	2	0.23
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	11	0.23
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	11	0.23
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	2	0.23
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	2	0.23
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	11	0.23
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	11	0.23
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	4	0.23
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	4	0.23
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	4	0.23
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	4	0.23
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	4	0.23
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	4	0.23
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	4	0.23
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	4	0.23
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	4	0.23
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	4	0.23
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	4	0.23
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	4	0.23
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD11	19	0.23
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD12	19	0.23
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD13	19	0.23
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD21	19	0.23
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD22	19	0.23
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD23	19	0.23
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD11	19	0.23
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD12	19	0.23
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD13	19	0.23
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD21	19	0.23
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD22	19	0.23
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD23	19	0.23
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD11	19	0.23
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD12	19	0.23
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD13	19	0.23
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD21	19	0.23
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD22	19	0.23
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD23	19	0.23
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD11	19	0.23
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD12	19	0.23
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD13	19	0.23
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD21	19	0.23
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD22	19	0.23
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD23	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD11	19	0.23
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD12	19	0.23
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD13	19	0.23
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD21	19	0.23
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD22	19	0.23
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD23	19	0.23
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD11	19	0.23
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD12	19	0.23
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD13	19	0.23
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD21	19	0.23
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD22	19	0.23
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD23	19	0.23
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB2	13	0.23
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB3	13	0.23
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB2	13	0.23
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB3	13	0.23
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB2	13	0.23
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB3	13	0.23
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	6	0.23
(4,2151)	1:76:A:LEU:H	1:76:A:LEU:HA	11	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	7	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	7	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	8	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	8	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	9	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	9	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	12	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	12	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	14	0.23
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	14	0.23
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	11	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	7	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	7	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	8	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	8	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	9	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	9	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	12	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	12	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	14	0.23
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	14	0.23
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	18	0.23
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	18	0.23
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	18	0.23
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	18	0.23
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	18	0.23
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	18	0.23
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	18	0.23
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	18	0.23
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	18	0.23
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	18	0.23
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	18	0.23
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	18	0.23
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	18	0.23
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	18	0.23
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	18	0.23
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	18	0.23
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	18	0.23
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	18	0.23
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	18	0.23
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	18	0.23
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	18	0.23
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	18	0.23
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	18	0.23
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	18	0.23
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	18	0.23
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	18	0.23
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	18	0.23
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	18	0.23
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	18	0.23
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	18	0.23
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	18	0.23
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	18	0.23
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	18	0.23
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	18	0.23
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	18	0.23
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	7	0.23
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	7	0.23
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	7	0.23
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	7	0.23
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	16	0.23
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	16	0.23
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	7	0.23
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	8	0.23
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	14	0.23
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	15	0.23
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD11	10	0.23
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD12	10	0.23
(4,2056)	1:70:A:ILE:HB	1:70:A:ILE:HD13	10	0.23
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	10	0.23
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	10	0.23
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	10	0.23
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	10	0.23
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	10	0.23
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	10	0.23
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	10	0.23
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	10	0.23
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	10	0.23
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	6	0.23
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	6	0.23
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	16	0.23
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	16	0.23
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	1	0.23
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	1	0.23
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	6	0.23
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	6	0.23
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	9	0.23
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	9	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	5	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	5	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	5	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	6	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	6	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	6	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	20	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	20	0.23
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	20	0.23
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	11	0.23
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	11	0.23
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	11	0.23
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	11	0.23
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	11	0.23
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	11	0.23
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	11	0.23
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	11	0.23
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	11	0.23
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	11	0.23
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	11	0.23
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	11	0.23
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	11	0.23
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	11	0.23
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	11	0.23
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	11	0.23
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	11	0.23
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	12	0.23
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	12	0.23
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	12	0.23
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	12	0.23
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	12	0.23
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	12	0.23
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	12	0.23
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	12	0.23
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	12	0.23
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	12	0.23
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	12	0.23
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	12	0.23
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	12	0.23
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	12	0.23
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	12	0.23
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	12	0.23
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	12	0.23
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	12	0.23
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	20	0.23
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	20	0.23
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	20	0.23
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	20	0.23
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	20	0.23
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	20	0.23
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	20	0.23
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	20	0.23
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	20	0.23
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	20	0.23
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	20	0.23
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	20	0.23
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	20	0.23
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	20	0.23
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	20	0.23
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	20	0.23
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	20	0.23
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	19	0.23
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	19	0.23
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	19	0.23
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	20	0.23
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	20	0.23
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	20	0.23
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	20	0.23
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	20	0.23
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	20	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	6	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	7	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	11	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	12	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	13	0.23
(4,1754)	1:52:A:LEU:H	1:52:A:LEU:HA	19	0.23
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG2	7	0.23
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG3	7	0.23
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG2	11	0.23
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG3	11	0.23
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	7	0.23
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	7	0.23
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	7	0.23
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	7	0.23
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	7	0.23
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	7	0.23
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	11	0.23
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	11	0.23
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	11	0.23
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	11	0.23
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	11	0.23
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	11	0.23
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	12	0.23
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	12	0.23
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	12	0.23
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	12	0.23
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	12	0.23
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	15	0.23
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	15	0.23
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	15	0.23
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	15	0.23
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	15	0.23
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	15	0.23
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	6	0.23
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	9	0.23
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	17	0.23
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	19	0.23
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	8	0.23
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD21	7	0.23
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD22	7	0.23
(4,1683)	1:51:A:GLU:HB2	1:39:A:LEU:HD23	7	0.23
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD21	7	0.23
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD22	7	0.23
(4,1683)	1:51:A:GLU:HB3	1:39:A:LEU:HD23	7	0.23
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	2	0.23
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	2	0.23
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	2	0.23
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	2	0.23
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	2	0.23
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	2	0.23
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	2	0.23
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	2	0.23
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	2	0.23
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	2	0.23
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	2	0.23
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	2	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD21	4	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD22	4	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD23	4	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD21	4	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD22	4	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD23	4	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD21	4	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD22	4	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD23	4	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD21	4	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD22	4	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD23	4	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD21	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD22	4	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD23	4	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD21	4	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD22	4	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD23	4	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD21	11	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD22	11	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD23	11	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD21	11	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD22	11	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD23	11	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD21	11	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD22	11	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD23	11	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD21	11	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD22	11	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD23	11	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD21	11	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD22	11	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD23	11	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD21	11	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD22	11	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD23	11	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD21	15	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD22	15	0.23
(4,1651)	1:35:A:LEU:HD11	1:55:A:LEU:HD23	15	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD21	15	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD22	15	0.23
(4,1651)	1:35:A:LEU:HD12	1:55:A:LEU:HD23	15	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD21	15	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD22	15	0.23
(4,1651)	1:35:A:LEU:HD13	1:55:A:LEU:HD23	15	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD21	15	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD22	15	0.23
(4,1651)	1:35:A:LEU:HD21	1:55:A:LEU:HD23	15	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD21	15	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD22	15	0.23
(4,1651)	1:35:A:LEU:HD22	1:55:A:LEU:HD23	15	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD21	15	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD22	15	0.23
(4,1651)	1:35:A:LEU:HD23	1:55:A:LEU:HD23	15	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	1	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	1	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	1	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	1	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	1	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	1	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	1	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	1	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	1	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	1	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	1	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	13	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	13	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	13	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	13	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	13	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	13	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	13	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	13	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	13	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	13	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	13	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	13	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	19	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	19	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	19	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	19	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	19	0.23
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	19	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	19	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	19	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	19	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	19	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	19	0.23
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	19	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	2	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	2	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	2	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	2	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	3	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	3	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	3	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	4	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	4	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	4	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	4	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	6	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	6	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	6	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	6	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	8	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	8	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	8	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	8	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	9	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	9	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	9	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	9	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	10	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	10	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	10	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	10	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	11	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	11	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	11	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	11	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	15	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	15	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	15	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	15	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	16	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	16	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	16	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	16	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	19	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	19	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	19	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	19	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	20	0.23
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	20	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	20	0.23
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	20	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	2	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	2	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	2	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	3	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	3	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	3	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	3	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	4	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	4	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	4	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	4	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	6	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	6	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	6	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	6	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	8	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	8	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	8	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	8	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	9	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	9	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	9	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	9	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	10	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	10	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	10	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	10	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	11	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	11	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	11	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	11	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	15	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	15	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	15	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	15	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	16	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	16	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	16	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	16	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	19	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	19	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	19	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	20	0.23
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	20	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	20	0.23
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	20	0.23
(4,1592)	1:27:A:ASN:HA	1:30:A:THR:HB	12	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	1	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	1	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	1	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	13	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	13	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	13	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	17	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	17	0.23
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	17	0.23
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	8	0.23
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	8	0.23
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	9	0.23
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	9	0.23
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	17	0.23
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	17	0.23
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	8	0.23
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	8	0.23
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	8	0.23
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	8	0.23
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	8	0.23
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	8	0.23
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	8	0.23
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	8	0.23
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	8	0.23
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	13	0.23
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	13	0.23
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	13	0.23
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	13	0.23
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	13	0.23
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	13	0.23
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	13	0.23
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	13	0.23
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	13	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	4	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	4	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	10	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	10	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	10	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	12	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	12	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	12	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	17	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	17	0.23
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	17	0.23
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	7	0.23
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	7	0.23
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	7	0.23
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	7	0.23
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	7	0.23
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	7	0.23
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	3	0.23
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	3	0.23
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	3	0.23
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	3	0.23
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	3	0.23
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	3	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	2	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	3	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	5	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	6	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	7	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	10	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	11	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	13	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	17	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	18	0.23
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	19	0.23
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	17	0.23
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	17	0.23
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	17	0.23
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	17	0.23
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	11	0.23
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	12	0.23
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	15	0.23
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	20	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	8	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	8	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	8	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	8	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	8	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	8	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	8	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	8	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	8	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	8	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	8	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	8	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	8	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	8	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	8	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	8	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	8	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	9	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	9	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	9	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	9	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	9	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	9	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	9	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	9	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	9	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	9	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	9	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	9	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	9	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	9	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	9	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	9	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	9	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	9	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	19	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	19	0.23
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	19	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	19	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	19	0.23
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	19	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	19	0.23
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	19	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	19	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	19	0.23
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	19	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	19	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	19	0.23
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	19	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	19	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	19	0.23
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	19	0.23
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	1	0.23
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	1	0.23
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	1	0.23
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	1	0.23
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	4	0.23
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	4	0.23
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	18	0.23
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	18	0.23
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	7	0.23
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	7	0.23
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	7	0.23
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	7	0.23
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	7	0.23
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	7	0.23
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	12	0.23
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	12	0.23
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	12	0.23
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	12	0.23
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	12	0.23
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	12	0.23
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	6	0.23
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	6	0.23
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	6	0.23
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	6	0.23
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	8	0.23
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	8	0.23
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	8	0.23
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	8	0.23
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	10	0.23
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	10	0.23
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	10	0.23
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	12	0.23
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	12	0.23
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	12	0.23
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	12	0.23
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	12	0.23
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	12	0.23
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	12	0.23
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	12	0.23
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	12	0.23
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	12	0.23
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	12	0.23
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	12	0.23
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	7	0.23
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	7	0.23
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	7	0.23
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	7	0.23
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	8	0.23
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	8	0.23
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	8	0.23
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	8	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	1	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	1	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	1	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	1	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	2	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	2	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	2	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	2	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	3	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	3	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	3	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	3	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	5	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	5	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	5	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	5	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	8	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	8	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	8	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	8	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	9	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	9	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	9	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	13	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	13	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	13	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	13	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	17	0.23
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	17	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	17	0.23
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	17	0.23
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	1	0.23
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	2	0.23
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	19	0.23
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	20	0.23
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	2	0.23
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	2	0.23
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	2	0.23
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	2	0.23
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	13	0.23
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	13	0.23
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	13	0.23
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	13	0.23
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	19	0.23
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	19	0.23
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	12	0.23
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	12	0.23
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	4	0.23
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	12	0.23
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	15	0.23
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	16	0.23
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	19	0.23
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	8	0.23
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	8	0.23
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	10	0.23
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	10	0.23
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	14	0.23
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	14	0.23
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	8	0.23
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	8	0.23
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	10	0.23
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	10	0.23
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	14	0.23
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	17	0.23
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	17	0.23
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	11	0.23
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	11	0.23
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	16	0.23
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	16	0.23
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	20	0.23
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	20	0.23
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	11	0.23
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	11	0.23
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	16	0.23
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	16	0.23
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	20	0.23
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	20	0.23
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	7	0.23
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	7	0.23
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	19	0.23
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	19	0.23
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	3	0.23
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB2	3	0.23
(4,966)	1:124:A:LEU:HA	1:124:A:LEU:HB3	3	0.23
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB2	3	0.23
(4,965)	1:124:A:LEU:HA	1:124:A:LEU:HB3	3	0.23
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	5	0.23
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	5	0.23
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	8	0.23
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	8	0.23
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	8	0.23
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	8	0.23
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	13	0.23
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	13	0.23
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	13	0.23
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	13	0.23
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	13	0.23
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	13	0.23
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	8	0.23
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	8	0.23
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	8	0.23
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	8	0.23
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	9	0.23
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	9	0.23
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	9	0.23
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	8	0.23
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	8	0.23
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	8	0.23
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	8	0.23
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	9	0.23
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	9	0.23
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	9	0.23
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	9	0.23
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	9	0.23
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	9	0.23
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	18	0.23
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	18	0.23
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	6	0.23
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	6	0.23
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	6	0.23
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	6	0.23
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	3	0.23
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	3	0.23
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	17	0.23
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	17	0.23
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	3	0.23
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	3	0.23
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	17	0.23
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	17	0.23
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	3	0.23
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	3	0.23
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	17	0.23
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	17	0.23
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	3	0.23
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	3	0.23
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	17	0.23
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	17	0.23
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	17	0.23
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	17	0.23
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	19	0.23
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	19	0.23
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	19	0.23
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	20	0.23
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	20	0.23
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG2	4	0.23
(4,740)	1:85:A:PRO:HA	1:85:A:PRO:HG3	4	0.23
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	1	0.23
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	1	0.23
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	8	0.23
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	8	0.23
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	20	0.23
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	20	0.23
(4,610)	1:64:A:ARG:HD2	1:64:A:ARG:HA	15	0.23
(4,610)	1:64:A:ARG:HD3	1:64:A:ARG:HA	15	0.23
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	2	0.23
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	2	0.23
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	2	0.23
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	2	0.23
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	8	0.23
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	8	0.23
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	8	0.23
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	8	0.23
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	11	0.23
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	11	0.23
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	11	0.23
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	11	0.23
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	2	0.23
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	2	0.23
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	2	0.23
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	2	0.23
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	8	0.23
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	8	0.23
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	8	0.23
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	8	0.23
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	11	0.23
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	11	0.23
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	11	0.23
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	11	0.23
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	5	0.23
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	5	0.23
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	8	0.23
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	8	0.23
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	9	0.23
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	9	0.23
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	5	0.23
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	5	0.23
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	5	0.23
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	5	0.23
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	5	0.23
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	12	0.23
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	12	0.23
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	12	0.23
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	12	0.23
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	12	0.23
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	12	0.23
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	4	0.23
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	4	0.23
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	4	0.23
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	4	0.23
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	14	0.23
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	14	0.23
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	17	0.23
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	17	0.23
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	3	0.23
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	3	0.23
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	3	0.23
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	3	0.23
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	3	0.23
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	3	0.23
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	3	0.23
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	3	0.23
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	3	0.23
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	3	0.23
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	3	0.23
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	3	0.23
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	7	0.23
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	7	0.23
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	7	0.23
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	7	0.23
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	7	0.23
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	7	0.23
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	7	0.23
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	7	0.23
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	7	0.23
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	7	0.23
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	7	0.23
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	16	0.23
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	16	0.23
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	16	0.23
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	16	0.23
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	16	0.23
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	16	0.23
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	16	0.23
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	16	0.23
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	16	0.23
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	16	0.23
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	16	0.23
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	16	0.23
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	19	0.23
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	6	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	6	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	6	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	6	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	6	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	6	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	6	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	6	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	6	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	6	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	6	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	6	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	7	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	7	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	7	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	7	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	7	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	7	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	7	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	7	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	7	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	7	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	7	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	7	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	8	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	8	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	8	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	8	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	8	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	8	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	8	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	8	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	8	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	8	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	8	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	9	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	9	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	9	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	9	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	9	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	9	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	9	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	9	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	9	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	9	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	9	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	9	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	10	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	10	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	10	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	10	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	10	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	10	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	10	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	10	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	10	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	10	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	10	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	10	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	11	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	11	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	11	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	11	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	11	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	11	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	11	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	11	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	11	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	11	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	11	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	14	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	14	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	14	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	14	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	14	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	14	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	14	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	14	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	14	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	14	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	14	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	14	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	16	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	16	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	16	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	16	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	16	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	16	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	16	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	16	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	16	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	16	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	16	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	16	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	19	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	19	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	19	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	19	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	19	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	19	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	19	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	20	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	20	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	20	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	20	0.23
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	20	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	20	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	20	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	20	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	20	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	20	0.23
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	20	0.23
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	4	0.23
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	4	0.23
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	4	0.23
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	4	0.23
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	4	0.23
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	4	0.23
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	4	0.23
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	16	0.23
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	16	0.23
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	16	0.23
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	16	0.23
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	8	0.23
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	8	0.23
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	8	0.23
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	8	0.23
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	18	0.23
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	18	0.23
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	18	0.23
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	18	0.23
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	3	0.23
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	9	0.23
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	12	0.23
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	15	0.23
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	18	0.23
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	7	0.23
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	7	0.23
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	8	0.23
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	8	0.23
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	19	0.23
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	19	0.23
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	7	0.23
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	10	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	2	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	2	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	6	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	6	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	6	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	7	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	7	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	7	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	11	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	11	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	11	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	14	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	14	0.23
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	14	0.23
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	8	0.23
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	8	0.23
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	8	0.23
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	8	0.23
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	9	0.23
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	9	0.23
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	9	0.23
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	9	0.23
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	2	0.23
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	2	0.23
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	2	0.23
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	2	0.23
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	4	0.23
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	4	0.23
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	4	0.23
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	4	0.23
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	19	0.23
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	19	0.23
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	19	0.23
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	19	0.23
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	7	0.23
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	7	0.23
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	7	0.23
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	7	0.23
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	12	0.23
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	12	0.23
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	12	0.23
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	12	0.23
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	10	0.23
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	10	0.23
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	10	0.23
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG2	8	0.23
(4,27)	1:71:A:PRO:HB2	1:71:A:PRO:HG3	8	0.23
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG2	8	0.23
(4,27)	1:71:A:PRO:HB3	1:71:A:PRO:HG3	8	0.23
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB2	4	0.23
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB3	4	0.23
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB2	4	0.23
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB3	4	0.23
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB2	4	0.23
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB3	4	0.23
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB2	4	0.23
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB3	4	0.23
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB2	4	0.23
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB3	4	0.23
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB2	4	0.23
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB3	4	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	2	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	2	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	3	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	3	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	13	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	13	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	18	0.23
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	18	0.23
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	9	0.22
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	9	0.22
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	15	0.22
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	15	0.22
(8,56)	1:110:A:TYR:HD1	1:102:A:HIS:HD2	10	0.22
(8,56)	1:110:A:TYR:HD2	1:102:A:HIS:HD2	10	0.22
(8,56)	1:110:A:TYR:HD1	1:102:A:HIS:HD2	16	0.22
(8,56)	1:110:A:TYR:HD2	1:102:A:HIS:HD2	16	0.22
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	5	0.22
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	3	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	3	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	3	0.22
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	8	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	8	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	10	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	10	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	10	0.22
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	12	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	12	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	12	0.22
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	19	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	19	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	19	0.22
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	20	0.22
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	20	0.22
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	20	0.22
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	6	0.22
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	6	0.22
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	10	0.22
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	10	0.22
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	15	0.22
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	15	0.22
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	17	0.22
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	17	0.22
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	3	0.22
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	3	0.22
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	3	0.22
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	3	0.22
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	17	0.22
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	17	0.22
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	17	0.22
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	17	0.22
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	10	0.22
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	10	0.22
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	10	0.22
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	10	0.22
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	12	0.22
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	12	0.22
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	12	0.22
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	12	0.22
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	15	0.22
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	15	0.22
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	15	0.22
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	15	0.22
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	15	0.22
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	15	0.22
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	15	0.22
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	15	0.22
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	15	0.22
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	15	0.22
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	15	0.22
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	15	0.22
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	15	0.22
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	15	0.22
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	15	0.22
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	1	0.22
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	1	0.22
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	13	0.22
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	13	0.22
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	2	0.22
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	2	0.22
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	10	0.22
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	10	0.22
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	10	0.22
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	10	0.22
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	10	0.22
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	10	0.22
(6,1239)	1:3:A:VAL:HB	1:3:A:VAL:H	19	0.22
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	18	0.22
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	18	0.22
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	8	0.22
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	10	0.22
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	10	0.22
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	5	0.22
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	5	0.22
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	5	0.22
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	9	0.22
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	3	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	10	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	10	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	11	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	11	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	13	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	13	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	14	0.22
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	14	0.22
(6,1149)	1:9:A:LYS:HG2	1:9:A:LYS:H	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1149)	1:9:A:LYS:HG3	1:9:A:LYS:H	10	0.22
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	13	0.22
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	13	0.22
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	13	0.22
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	13	0.22
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	13	0.22
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	13	0.22
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	6	0.22
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	6	0.22
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	11	0.22
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	11	0.22
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	10	0.22
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	4	0.22
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	4	0.22
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	4	0.22
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	4	0.22
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	5	0.22
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	5	0.22
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	13	0.22
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	13	0.22
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	20	0.22
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	20	0.22
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	2	0.22
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	15	0.22
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	20	0.22
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	20	0.22
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	20	0.22
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	20	0.22
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	20	0.22
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	12	0.22
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	12	0.22
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	15	0.22
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	15	0.22
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	17	0.22
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	17	0.22
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	17	0.22
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	1	0.22
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	15	0.22
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	18	0.22
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	20	0.22
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	10	0.22
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	13	0.22
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	13	0.22
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	15	0.22
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	15	0.22
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	10	0.22
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	10	0.22
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	19	0.22
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	19	0.22
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	3	0.22
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	3	0.22
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	3	0.22
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	3	0.22
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	18	0.22
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	18	0.22
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	9	0.22
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	13	0.22
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	17	0.22
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	17	0.22
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	6	0.22
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	15	0.22
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	16	0.22
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	11	0.22
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	11	0.22
(6,585)	1:108:A:LYS:HG2	1:109:A:ILE:H	15	0.22
(6,585)	1:108:A:LYS:HG3	1:109:A:ILE:H	15	0.22
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	6	0.22
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	7	0.22
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	12	0.22
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	16	0.22
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	20	0.22
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	5	0.22
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	5	0.22
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	5	0.22
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	6	0.22
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	6	0.22
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	6	0.22
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	6	0.22
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	6	0.22
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	6	0.22
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	15	0.22
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	15	0.22
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	15	0.22
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	15	0.22
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	15	0.22
(6,512)	1:52:A:LEU:HD11	1:78:A:ASP:H	16	0.22
(6,512)	1:52:A:LEU:HD12	1:78:A:ASP:H	16	0.22
(6,512)	1:52:A:LEU:HD13	1:78:A:ASP:H	16	0.22
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	10	0.22
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	10	0.22
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	20	0.22
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	20	0.22
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	19	0.22
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	1	0.22
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	1	0.22
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	17	0.22
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	17	0.22
(6,333)	1:133:A:VAL:H	1:129:A:GLN:H	2	0.22
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	7	0.22
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	7	0.22
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	13	0.22
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	13	0.22
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	20	0.22
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	20	0.22
(6,289)	1:137:A:ASP:HA	1:137:A:ASP:H	10	0.22
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	5	0.22
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	5	0.22
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	14	0.22
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	14	0.22
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	5	0.22
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	5	0.22
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	8	0.22
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	8	0.22
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	4	0.22
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	4	0.22
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	5	0.22
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	5	0.22
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	6	0.22
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	6	0.22
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	20	0.22
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	20	0.22
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	2	0.22
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	2	0.22
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	3	0.22
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	14	0.22
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	14	0.22
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	20	0.22
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	20	0.22
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	5	0.22
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	5	0.22
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	10	0.22
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	14	0.22
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	19	0.22
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	2	0.22
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	11	0.22
(6,94)	1:11:A:MET:HG2	1:11:A:MET:H	6	0.22
(6,94)	1:11:A:MET:HG3	1:11:A:MET:H	6	0.22
(6,94)	1:11:A:MET:HG2	1:11:A:MET:H	20	0.22
(6,94)	1:11:A:MET:HG3	1:11:A:MET:H	20	0.22
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	9	0.22
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	16	0.22
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	4	0.22
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	4	0.22
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	4	0.22
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	4	0.22
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	4	0.22
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	4	0.22
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	5	0.22
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	5	0.22
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	5	0.22
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	5	0.22
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	15	0.22
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	15	0.22
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	15	0.22
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	15	0.22
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	19	0.22
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	19	0.22
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	19	0.22
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	19	0.22
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	5	0.22
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	5	0.22
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	5	0.22
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	5	0.22
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	15	0.22
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	15	0.22
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	15	0.22
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	19	0.22
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	19	0.22
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	19	0.22
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	19	0.22
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	5	0.22
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	5	0.22
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	5	0.22
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	5	0.22
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	15	0.22
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	15	0.22
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	15	0.22
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	15	0.22
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	19	0.22
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	19	0.22
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	19	0.22
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	19	0.22
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	5	0.22
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	5	0.22
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	5	0.22
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	5	0.22
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	15	0.22
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	15	0.22
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	15	0.22
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	15	0.22
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	19	0.22
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	19	0.22
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	19	0.22
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	19	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	3	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	3	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	3	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	3	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	9	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	9	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	9	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	9	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	16	0.22
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	16	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	16	0.22
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	12	0.22
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	12	0.22
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	13	0.22
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	13	0.22
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	18	0.22
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	18	0.22
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	12	0.22
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	12	0.22
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	13	0.22
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	13	0.22
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	18	0.22
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	18	0.22
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	6	0.22
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	6	0.22
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	6	0.22
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	6	0.22
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	6	0.22
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	6	0.22
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	11	0.22
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	11	0.22
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	11	0.22
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	11	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	4	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	4	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	12	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	12	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	14	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	14	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	18	0.22
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	18	0.22
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	3	0.22
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	3	0.22
(4,3069)	1:84:A:PRO:HD2	1:83:A:ASN:HA	17	0.22
(4,3069)	1:84:A:PRO:HD3	1:83:A:ASN:HA	17	0.22
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	17	0.22
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	17	0.22
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	17	0.22
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	17	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	7	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	7	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	7	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	7	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	7	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	9	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	9	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	9	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	9	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	9	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	9	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	12	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	12	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	12	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	12	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	12	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	12	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	14	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	14	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	14	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	14	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	14	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	14	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	15	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	15	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	15	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	15	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	15	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	15	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	16	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	16	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	16	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	16	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	16	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	16	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	19	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	19	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	19	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	19	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	19	0.22
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	19	0.22
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	10	0.22
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	10	0.22
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	18	0.22
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	18	0.22
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	18	0.22
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	18	0.22
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	18	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	7	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	7	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	13	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	13	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	20	0.22
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	20	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	7	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	7	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	13	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	13	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	20	0.22
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	20	0.22
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD1	13	0.22
(4,2841)	1:134:A:VAL:HG21	1:113:A:TYR:HD2	13	0.22
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD1	13	0.22
(4,2841)	1:134:A:VAL:HG22	1:113:A:TYR:HD2	13	0.22
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD1	13	0.22
(4,2841)	1:134:A:VAL:HG23	1:113:A:TYR:HD2	13	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	4	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	4	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	4	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	7	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	7	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	7	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	13	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	13	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	13	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	15	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	15	0.22
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	15	0.22
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	4	0.22
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	4	0.22
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	4	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	7	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	7	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	7	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	7	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	7	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	7	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	7	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	7	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	11	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	11	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	11	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	11	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	11	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	11	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	11	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	11	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	11	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	15	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	15	0.22
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	15	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	15	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	15	0.22
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	15	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	15	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	15	0.22
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	15	0.22
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	20	0.22
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	20	0.22
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	20	0.22
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	20	0.22
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	20	0.22
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	20	0.22
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	20	0.22
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	20	0.22
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	20	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	2	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	2	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	3	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	3	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	6	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	6	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	11	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	11	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	14	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	14	0.22
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	20	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	2	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	2	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	3	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	3	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	6	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	6	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	11	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	11	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	14	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	14	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	20	0.22
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	20	0.22
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	4	0.22
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	4	0.22
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	4	0.22
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	20	0.22
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	20	0.22
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	20	0.22
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	20	0.22
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	20	0.22
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	20	0.22
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	20	0.22
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	20	0.22
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	20	0.22
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	20	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	1	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	1	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	1	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	1	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	2	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	2	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	2	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	2	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	6	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	6	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	6	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	6	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	8	0.22
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	8	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	8	0.22
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	3	0.22
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	3	0.22
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	2	0.22
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	13	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	8	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	8	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	8	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	8	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	8	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	8	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	8	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	8	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	8	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	8	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	8	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	8	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	14	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	14	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	14	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	14	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	14	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	14	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	14	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	14	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	14	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	14	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	14	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	14	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	15	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	15	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	15	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	15	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	15	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	15	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	15	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	15	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	15	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	15	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	15	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	15	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	17	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	17	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	17	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	17	0.22
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	17	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	17	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	17	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	17	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	17	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	17	0.22
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	17	0.22
(4,2639)	1:125:A:LEU:HA	1:125:A:LEU:HG	14	0.22
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	10	0.22
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	10	0.22
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	10	0.22
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	10	0.22
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	10	0.22
(4,2632)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	10	0.22
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	10	0.22
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	10	0.22
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	10	0.22
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	10	0.22
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	10	0.22
(4,2632)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	10	0.22
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	2	0.22
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	2	0.22
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	2	0.22
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	2	0.22
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	2	0.22
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	2	0.22
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	11	0.22
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	11	0.22
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	15	0.22
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	15	0.22
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	11	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	1	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	1	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	1	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	1	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	2	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	2	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	2	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	3	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	3	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	3	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	3	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	4	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	4	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	4	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	4	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	5	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	5	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	5	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	5	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	6	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	6	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	6	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	6	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	7	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	7	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	7	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	7	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	8	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	8	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	8	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	8	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	9	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	9	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	9	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	9	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	10	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	10	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	10	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	10	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	11	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	11	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	11	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	11	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	12	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	12	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	12	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	12	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	13	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	13	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	13	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	14	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	14	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	14	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	14	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	16	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	16	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	16	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	16	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	17	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	17	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	17	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	17	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	18	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	18	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	18	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	18	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	19	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	19	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	19	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	19	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	20	0.22
(4,2586)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	20	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	20	0.22
(4,2586)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	20	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	1	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	1	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	1	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	1	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	2	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	2	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	2	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	2	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	3	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	3	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	3	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	3	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	4	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	4	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	4	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	5	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	5	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	5	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	5	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	6	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	6	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	6	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	6	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	7	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	7	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	7	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	7	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	8	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	8	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	8	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	8	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	9	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	9	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	9	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	9	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	10	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	10	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	10	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	10	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	11	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	11	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	11	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	11	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	12	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	12	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	12	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	12	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	13	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	13	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	13	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	13	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	14	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	14	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	14	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	14	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	16	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	16	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	16	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	17	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	17	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	17	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	17	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	18	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	18	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	18	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	18	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	19	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	19	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	19	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	19	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB2	20	0.22
(4,2585)	1:120:A:PRO:HG2	1:120:A:PRO:HB3	20	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB2	20	0.22
(4,2585)	1:120:A:PRO:HG3	1:120:A:PRO:HB3	20	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	2	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	2	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	12	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	12	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	13	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	13	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	14	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	14	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	20	0.22
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	20	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	1	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	1	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	1	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	1	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	1	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	1	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	1	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	1	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	1	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	1	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	1	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	1	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	3	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	3	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	3	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	3	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	3	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	3	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	3	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	3	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	3	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	3	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	3	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	4	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	4	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	4	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	4	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	4	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	4	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	4	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	4	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	4	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	4	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	4	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	4	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	5	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	5	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	5	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	5	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	5	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	5	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	5	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	5	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	5	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	5	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	5	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	5	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	6	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	6	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	6	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	6	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	6	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	6	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	6	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	6	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	6	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	6	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	6	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	7	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	7	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	7	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	7	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	7	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	7	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	7	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	7	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	7	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	7	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	7	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	7	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	9	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	9	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	9	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	9	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	9	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	9	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	9	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	9	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	9	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	9	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	9	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	9	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	10	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	10	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	10	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	10	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	10	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	10	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	10	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	10	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	10	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	10	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	10	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	10	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	12	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	12	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	12	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	12	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	12	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	12	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	12	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	12	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	12	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	12	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	12	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	13	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	13	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	13	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	13	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	13	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	13	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	13	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	13	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	13	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	13	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	13	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	13	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	15	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	15	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	15	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	15	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	15	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	15	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	15	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	15	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	15	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	15	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	15	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	15	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	16	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	16	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	16	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	16	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	16	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	16	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	16	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	16	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	16	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	16	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	16	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	18	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	18	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	18	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	18	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	18	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	18	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	18	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	18	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	18	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	18	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	18	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	18	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	19	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	19	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	19	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	19	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	19	0.22
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	19	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	19	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	19	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	19	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	19	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	19	0.22
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	19	0.22
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	15	0.22
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	15	0.22
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	15	0.22
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	15	0.22
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	15	0.22
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	15	0.22
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	15	0.22
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	15	0.22
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	15	0.22
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	15	0.22
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	15	0.22
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	15	0.22
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	5	0.22
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	5	0.22
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	5	0.22
(4,2488)	1:115:A:HIS:HB2	1:112:A:PRO:HA	10	0.22
(4,2488)	1:115:A:HIS:HB3	1:112:A:PRO:HA	10	0.22
(4,2484)	1:111:A:LEU:HD23	1:102:A:HIS:HD2	8	0.22
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	9	0.22
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	9	0.22
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	9	0.22
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	9	0.22
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	9	0.22
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	9	0.22
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	2	0.22
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	2	0.22
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	10	0.22
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	10	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	1	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	2	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	3	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	6	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	9	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	11	0.22
(4,2416)	1:103:A:VAL:H	1:103:A:VAL:HA	18	0.22
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	18	0.22
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	18	0.22
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	18	0.22
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	18	0.22
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	18	0.22
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	18	0.22
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	18	0.22
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	18	0.22
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	18	0.22
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	18	0.22
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	18	0.22
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	18	0.22
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	5	0.22
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	5	0.22
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	19	0.22
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	19	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	2	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	2	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	2	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	2	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	2	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	5	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	5	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	5	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	5	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	5	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	5	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	6	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	6	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	6	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	6	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	6	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	6	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	11	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	11	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	11	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	11	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	11	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	11	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	14	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	14	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	14	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	14	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	14	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	14	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	17	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	17	0.22
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	17	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	17	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	17	0.22
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	17	0.22
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	20	0.22
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	20	0.22
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	6	0.22
(4,2319)	1:97:A:ILE:HD11	1:91:A:PRO:HA	18	0.22
(4,2319)	1:97:A:ILE:HD12	1:91:A:PRO:HA	18	0.22
(4,2319)	1:97:A:ILE:HD13	1:91:A:PRO:HA	18	0.22
(4,2313)	1:97:A:ILE:HG12	1:89:A:VAL:HB	11	0.22
(4,2313)	1:97:A:ILE:HG13	1:89:A:VAL:HB	11	0.22
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	4	0.22
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	3	0.22
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	3	0.22
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	3	0.22
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	3	0.22
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	3	0.22
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	7	0.22
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	20	0.22
(4,2267)	1:86:A:ILE:H	1:85:A:PRO:HA	15	0.22
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	4	0.22
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	4	0.22
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	8	0.22
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	8	0.22
(4,2263)	1:85:A:PRO:HB2	1:85:A:PRO:HA	16	0.22
(4,2263)	1:85:A:PRO:HB3	1:85:A:PRO:HA	16	0.22
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	11	0.22
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	11	0.22
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	11	0.22
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	11	0.22
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	11	0.22
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	11	0.22
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD11	16	0.22
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD12	16	0.22
(4,2177)	1:77:A:LEU:HG	1:86:A:ILE:HD13	16	0.22
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	16	0.22
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	16	0.22
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	16	0.22
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	16	0.22
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	19	0.22
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	19	0.22
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	19	0.22
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	19	0.22
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	19	0.22
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	19	0.22
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	19	0.22
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	19	0.22
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	19	0.22
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	19	0.22
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	19	0.22
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	19	0.22
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	3	0.22
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	3	0.22
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	3	0.22
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	1	0.22
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	1	0.22
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	2	0.22
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	2	0.22
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	19	0.22
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	19	0.22
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	1	0.22
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	1	0.22
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	2	0.22
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	2	0.22
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	19	0.22
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	19	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	2	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	2	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	2	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	2	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	2	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	2	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	2	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	2	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	2	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	2	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	2	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	2	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	2	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	2	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	2	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	2	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	2	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	2	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	2	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	2	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	2	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	2	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	2	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	2	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	2	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	2	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	2	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	2	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	2	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	2	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	2	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	2	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	2	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	2	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	2	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	3	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	3	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	3	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	3	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	3	0.22
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	3	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	3	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	3	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	3	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	3	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	3	0.22
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	3	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	3	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	3	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	3	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	3	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	3	0.22
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	3	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	3	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	3	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	3	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	3	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	3	0.22
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	3	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	3	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	3	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	3	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	3	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	3	0.22
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	3	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	3	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	3	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	3	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	3	0.22
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	3	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	8	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	8	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	8	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	8	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	8	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	8	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	8	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	8	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	8	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	8	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	8	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	8	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	16	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	16	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	16	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	16	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	16	0.22
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	16	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	16	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	16	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	16	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	16	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	16	0.22
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	16	0.22
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	2	0.22
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	2	0.22
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	2	0.22
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	2	0.22
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	19	0.22
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	19	0.22
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	19	0.22
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	19	0.22
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	2	0.22
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	2	0.22
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	4	0.22
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	4	0.22
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	13	0.22
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	13	0.22
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	5	0.22
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	11	0.22
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	18	0.22
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	15	0.22
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	15	0.22
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	15	0.22
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	16	0.22
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	16	0.22
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	16	0.22
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	16	0.22
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	16	0.22
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	16	0.22
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	16	0.22
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	16	0.22
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	16	0.22
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	19	0.22
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	19	0.22
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	19	0.22
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	19	0.22
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	19	0.22
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	19	0.22
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	19	0.22
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	19	0.22
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	19	0.22
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	14	0.22
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	14	0.22
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	14	0.22
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	14	0.22
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	14	0.22
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	14	0.22
(4,1954)	1:64:A:ARG:HG2	1:63:A:TYR:HA	11	0.22
(4,1954)	1:64:A:ARG:HG3	1:63:A:TYR:HA	11	0.22
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	5	0.22
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	5	0.22
(4,1834)	1:57:A:GLY:HA2	1:36:A:LYS:H	16	0.22
(4,1834)	1:57:A:GLY:HA3	1:36:A:LYS:H	16	0.22
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	9	0.22
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	9	0.22
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	9	0.22
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	18	0.22
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	18	0.22
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	18	0.22
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	10	0.22
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	10	0.22
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	10	0.22
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	10	0.22
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	10	0.22
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	10	0.22
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	10	0.22
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	10	0.22
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	10	0.22
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	10	0.22
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	10	0.22
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	10	0.22
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	10	0.22
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	10	0.22
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	10	0.22
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	10	0.22
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	10	0.22
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	6	0.22
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	6	0.22
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB2	4	0.22
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB3	4	0.22
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	6	0.22
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	6	0.22
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	6	0.22
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	6	0.22
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	6	0.22
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	6	0.22
(4,1756)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	16	0.22
(4,1756)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	16	0.22
(4,1756)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	16	0.22
(4,1756)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	16	0.22
(4,1756)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	16	0.22
(4,1756)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	16	0.22
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	1	0.22
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	1	0.22
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	1	0.22
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	1	0.22
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	1	0.22
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	1	0.22
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	18	0.22
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	18	0.22
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	18	0.22
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	18	0.22
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	18	0.22
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	3	0.22
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	14	0.22
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	19	0.22
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	4	0.22
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	4	0.22
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	4	0.22
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	4	0.22
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	4	0.22
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	4	0.22
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	16	0.22
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	16	0.22
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	16	0.22
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	16	0.22
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	16	0.22
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	16	0.22
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	16	0.22
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	16	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	1	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	1	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	1	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	1	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	5	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	5	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	5	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	5	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	7	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	7	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	7	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	7	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	13	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	13	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	13	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	13	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	14	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	14	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	14	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	14	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	17	0.22
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	17	0.22
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	17	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	1	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	1	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	1	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	1	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	5	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	5	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	5	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	5	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	7	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	7	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	7	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	7	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	13	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	13	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	13	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	13	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	14	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	14	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	14	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	14	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	17	0.22
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	17	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	17	0.22
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	17	0.22
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	4	0.22
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	4	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	5	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	5	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	5	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	14	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	14	0.22
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	14	0.22
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	8	0.22
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	8	0.22
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	8	0.22
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	8	0.22
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	8	0.22
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	8	0.22
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	9	0.22
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	9	0.22
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	9	0.22
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	9	0.22
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	9	0.22
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	10	0.22
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	10	0.22
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	10	0.22
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	10	0.22
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	10	0.22
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	10	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	1	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	1	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	1	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	1	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	1	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	1	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	1	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	1	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	1	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	5	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	5	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	5	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	5	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	5	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	5	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	5	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	5	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	5	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	20	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	20	0.22
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	20	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	20	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	20	0.22
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	20	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	20	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	20	0.22
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	20	0.22
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG11	15	0.22
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG12	15	0.22
(4,1555)	1:25:A:THR:HB	1:28:A:VAL:HG13	15	0.22
(4,1542)	1:125:A:LEU:HG	1:28:A:VAL:HA	2	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	12	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	12	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	12	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	12	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	12	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	15	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	15	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	15	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	15	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	15	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	15	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	17	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	17	0.22
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	17	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	17	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	17	0.22
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	17	0.22
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	1	0.22
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	8	0.22
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	9	0.22
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	14	0.22
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	16	0.22
(4,1498)	1:25:A:THR:HB	1:25:A:THR:H	20	0.22
(4,1484)	1:24:A:GLU:HG2	1:23:A:ARG:HB2	7	0.22
(4,1484)	1:24:A:GLU:HG2	1:23:A:ARG:HB3	7	0.22
(4,1484)	1:24:A:GLU:HG3	1:23:A:ARG:HB2	7	0.22
(4,1484)	1:24:A:GLU:HG3	1:23:A:ARG:HB3	7	0.22
(4,1483)	1:23:A:ARG:HB2	1:24:A:GLU:HG2	7	0.22
(4,1483)	1:23:A:ARG:HB2	1:24:A:GLU:HG3	7	0.22
(4,1483)	1:23:A:ARG:HB3	1:24:A:GLU:HG2	7	0.22
(4,1483)	1:23:A:ARG:HB3	1:24:A:GLU:HG3	7	0.22
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	6	0.22
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	6	0.22
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	6	0.22
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	6	0.22
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	5	0.22
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	5	0.22
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	5	0.22
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	5	0.22
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	15	0.22
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	15	0.22
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	15	0.22
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	15	0.22
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	15	0.22
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	18	0.22
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	18	0.22
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	18	0.22
(4,1403)	1:24:A:GLU:HG2	1:20:A:LEU:HB2	20	0.22
(4,1403)	1:24:A:GLU:HG2	1:20:A:LEU:HB3	20	0.22
(4,1403)	1:24:A:GLU:HG3	1:20:A:LEU:HB2	20	0.22
(4,1403)	1:24:A:GLU:HG3	1:20:A:LEU:HB3	20	0.22
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	4	0.22
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	4	0.22
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	4	0.22
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	4	0.22
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	20	0.22
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	20	0.22
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	20	0.22
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	20	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	2	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	2	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	2	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	2	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	2	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	2	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	2	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	2	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	2	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	2	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	2	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	2	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	3	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	3	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	3	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	3	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	3	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	3	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	3	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	3	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	3	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	3	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	3	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	3	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	9	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	9	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	9	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	9	0.22
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	9	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	9	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	9	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	9	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	9	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	9	0.22
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	9	0.22
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	19	0.22
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	19	0.22
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	19	0.22
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	19	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	4	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	4	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	4	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	4	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	6	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	6	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	6	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	6	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	11	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	11	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	11	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	11	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	12	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	12	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	12	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	12	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	14	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	14	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	14	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	14	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	15	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	15	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	15	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	15	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	16	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	16	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	16	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	18	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	18	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	18	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	18	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.22
(4,1333)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.22
(4,1333)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.22
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	7	0.22
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	9	0.22
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	16	0.22
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	3	0.22
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	3	0.22
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	8	0.22
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	8	0.22
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	8	0.22
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	8	0.22
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	8	0.22
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	8	0.22
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	16	0.22
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	16	0.22
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	16	0.22
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	16	0.22
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	15	0.22
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	15	0.22
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	11	0.22
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	1	0.22
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	1	0.22
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	3	0.22
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	3	0.22
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	5	0.22
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	5	0.22
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	7	0.22
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	7	0.22
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	10	0.22
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	10	0.22
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	18	0.22
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	20	0.22
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	18	0.22
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	20	0.22
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	4	0.22
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	4	0.22
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	16	0.22
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	16	0.22
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	20	0.22
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	20	0.22
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	4	0.22
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	4	0.22
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	16	0.22
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	16	0.22
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	20	0.22
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	20	0.22
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	20	0.22
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	20	0.22
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	10	0.22
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	10	0.22
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	10	0.22
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	10	0.22
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	10	0.22
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	10	0.22
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	10	0.22
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	10	0.22
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	10	0.22
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	10	0.22
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	10	0.22
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	10	0.22
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	10	0.22
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	10	0.22
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	10	0.22
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	10	0.22
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	10	0.22
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	10	0.22
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	10	0.22
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	10	0.22
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	10	0.22
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	10	0.22
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	10	0.22
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	10	0.22
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	14	0.22
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	14	0.22
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	16	0.22
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.22
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.22
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	7	0.22
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	7	0.22
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	7	0.22
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	7	0.22
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	7	0.22
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	7	0.22
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	7	0.22
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	7	0.22
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	7	0.22
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	7	0.22
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	7	0.22
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	7	0.22
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	7	0.22
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	7	0.22
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	7	0.22
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	7	0.22
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	7	0.22
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	7	0.22
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	7	0.22
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	7	0.22
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	7	0.22
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	7	0.22
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	7	0.22
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	7	0.22
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	12	0.22
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	12	0.22
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	13	0.22
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	13	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	2	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	2	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	11	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	11	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	13	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	13	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	14	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	14	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	19	0.22
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	19	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	2	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	11	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	11	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	13	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	13	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	14	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	14	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	19	0.22
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	19	0.22
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	6	0.22
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	6	0.22
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD11	9	0.22
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD12	9	0.22
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD13	9	0.22
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	1	0.22
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	1	0.22
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	1	0.22
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	1	0.22
(4,776)	1:89:A:VAL:HA	1:89:A:VAL:HB	11	0.22
(4,775)	1:89:A:VAL:HA	1:89:A:VAL:HB	11	0.22
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	5	0.22
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	5	0.22
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	9	0.22
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	9	0.22
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	5	0.22
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	5	0.22
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	9	0.22
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	9	0.22
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	5	0.22
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	5	0.22
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	9	0.22
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	9	0.22
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	5	0.22
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	5	0.22
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	9	0.22
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	9	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	2	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	2	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	2	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	4	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	4	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	4	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	7	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	7	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	18	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	18	0.22
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	18	0.22
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	1	0.22
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	1	0.22
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	7	0.22
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	7	0.22
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	19	0.22
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	19	0.22
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	7	0.22
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	8	0.22
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	15	0.22
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	18	0.22
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	19	0.22
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	7	0.22
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	8	0.22
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	15	0.22
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	18	0.22
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	19	0.22
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	6	0.22
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	6	0.22
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	19	0.22
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	19	0.22
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	19	0.22
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	19	0.22
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	19	0.22
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	19	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	6	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	6	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	6	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	6	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	7	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	7	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	7	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	7	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	20	0.22
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	20	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	20	0.22
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	20	0.22
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	6	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	6	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	6	0.22
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	7	0.22
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	7	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	7	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	7	0.22
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	20	0.22
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	20	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	20	0.22
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	20	0.22
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	2	0.22
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	2	0.22
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	2	0.22
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	2	0.22
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	2	0.22
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	2	0.22
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	8	0.22
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	8	0.22
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	8	0.22
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	8	0.22
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	1	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	1	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	1	0.22
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	4	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	4	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	4	0.22
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	9	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	9	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	9	0.22
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	10	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	10	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	10	0.22
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	11	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	11	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	11	0.22
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	19	0.22
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	19	0.22
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	19	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	1	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	1	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	1	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	1	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	1	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	1	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	1	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	1	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	1	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	1	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	1	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	5	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	5	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	5	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	5	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	5	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	5	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	5	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	5	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	5	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	5	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	5	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	5	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	13	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	13	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	13	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	13	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	13	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	13	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	13	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	13	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	13	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	13	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	13	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	13	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	15	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	15	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	15	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	15	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	15	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	15	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	15	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	15	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	15	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	15	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	15	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	18	0.22
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	18	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	18	0.22
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	18	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	18	0.22
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	18	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	18	0.22
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	18	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	18	0.22
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	18	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	18	0.22
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	18	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	1	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	1	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	1	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	1	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	1	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	1	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	1	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	1	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	1	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	1	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	1	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	1	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	18	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	18	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	18	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	18	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	18	0.22
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	18	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	18	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	18	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	18	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	18	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	18	0.22
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	18	0.22
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	3	0.22
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	13	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	3	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	6	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	7	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	8	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	9	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	10	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	13	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	14	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	15	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	16	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	17	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	18	0.22
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	20	0.22
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	7	0.22
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	7	0.22
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	7	0.22
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	7	0.22
(4,239)	1:14:A:LYS:HB2	1:14:A:LYS:HA	12	0.22
(4,239)	1:14:A:LYS:HB3	1:14:A:LYS:HA	12	0.22
(4,238)	1:14:A:LYS:HA	1:14:A:LYS:HB2	12	0.22
(4,238)	1:14:A:LYS:HA	1:14:A:LYS:HB3	12	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	1	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	2	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	3	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	5	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	6	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	7	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	8	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	14	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	15	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	16	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	17	0.22
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	19	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	1	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	2	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	3	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	5	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	6	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	7	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	8	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	14	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	16	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	17	0.22
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	19	0.22
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	7	0.22
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	16	0.22
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	18	0.22
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	7	0.22
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	16	0.22
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	18	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	4	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	5	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	6	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	7	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	8	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	10	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	11	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	13	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	14	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	16	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	17	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	19	0.22
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	20	0.22
(4,202)	1:11:A:MET:HB2	1:11:A:MET:HA	2	0.22
(4,202)	1:11:A:MET:HB3	1:11:A:MET:HA	2	0.22
(4,188)	1:9:A:LYS:HD2	1:9:A:LYS:HA	7	0.22
(4,188)	1:9:A:LYS:HD3	1:9:A:LYS:HA	7	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	1	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	2	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	3	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	4	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	5	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	6	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	8	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	9	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	11	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	12	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	13	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	14	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	15	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	16	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	17	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	19	0.22
(4,183)	1:9:A:LYS:HG3	1:9:A:LYS:HG2	20	0.22
(4,177)	1:9:A:LYS:HB2	1:9:A:LYS:HA	7	0.22
(4,177)	1:9:A:LYS:HB3	1:9:A:LYS:HA	7	0.22
(4,176)	1:9:A:LYS:HB2	1:9:A:LYS:HA	7	0.22
(4,176)	1:9:A:LYS:HB3	1:9:A:LYS:HA	7	0.22
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	4	0.22
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	4	0.22
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	4	0.22
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	20	0.22
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	20	0.22
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	20	0.22
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	14	0.22
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	14	0.22
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	14	0.22
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	11	0.22
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	11	0.22
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	11	0.22
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	11	0.22
(4,67)	1:116:A:GLU:HG2	1:116:A:GLU:HA	9	0.22
(4,67)	1:116:A:GLU:HG3	1:116:A:GLU:HA	9	0.22
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	4	0.22
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	4	0.22
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	4	0.22
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	4	0.22
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	4	0.22
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	4	0.22
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	4	0.22
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	4	0.22
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	4	0.22
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	4	0.22
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	4	0.22
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	4	0.22
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG11	4	0.22
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG12	4	0.22
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG13	4	0.22
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG11	4	0.22
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG12	4	0.22
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG13	4	0.22
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG11	4	0.22
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG12	4	0.22
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG13	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,31)	1:24:A:GLU:HG2	1:124:A:LEU:HD11	7	0.22
(4,31)	1:24:A:GLU:HG2	1:124:A:LEU:HD12	7	0.22
(4,31)	1:24:A:GLU:HG2	1:124:A:LEU:HD13	7	0.22
(4,31)	1:24:A:GLU:HG2	1:124:A:LEU:HD21	7	0.22
(4,31)	1:24:A:GLU:HG2	1:124:A:LEU:HD22	7	0.22
(4,31)	1:24:A:GLU:HG2	1:124:A:LEU:HD23	7	0.22
(4,31)	1:24:A:GLU:HG3	1:124:A:LEU:HD11	7	0.22
(4,31)	1:24:A:GLU:HG3	1:124:A:LEU:HD12	7	0.22
(4,31)	1:24:A:GLU:HG3	1:124:A:LEU:HD13	7	0.22
(4,31)	1:24:A:GLU:HG3	1:124:A:LEU:HD21	7	0.22
(4,31)	1:24:A:GLU:HG3	1:124:A:LEU:HD22	7	0.22
(4,31)	1:24:A:GLU:HG3	1:124:A:LEU:HD23	7	0.22
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	18	0.22
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	18	0.22
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	18	0.22
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	18	0.22
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	18	0.22
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	18	0.22
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	18	0.22
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	18	0.22
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	18	0.22
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	18	0.22
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	18	0.22
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	18	0.22
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	18	0.22
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	18	0.22
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	18	0.22
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	18	0.22
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	18	0.22
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	18	0.22
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	18	0.22
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	18	0.22
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	18	0.22
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	18	0.22
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	18	0.22
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	18	0.22
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	18	0.22
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	18	0.22
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	18	0.22
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	18	0.22
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	18	0.22
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	18	0.22
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	18	0.22
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	18	0.22
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	18	0.22
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	18	0.22
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	18	0.22
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	11	0.22
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	11	0.22
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	11	0.22
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	11	0.22
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	11	0.22
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	11	0.22
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	11	0.22
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	11	0.22
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	11	0.22
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	12	0.22
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	12	0.22
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	12	0.22
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	12	0.22
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	12	0.22
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	12	0.22
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	12	0.22
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	12	0.22
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	12	0.22
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	9	0.22
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	9	0.22
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	3	0.22
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	5	0.22
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	7	0.22
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	12	0.22
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	2	0.21
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	2	0.21
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	19	0.21
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	19	0.21
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	10	0.21
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	10	0.21
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	7	0.21
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	7	0.21
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	17	0.21
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	17	0.21
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	15	0.21
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1355)	1:36:A:LYS:HG2	1:36:A:LYS:H	11	0.21
(6,1355)	1:36:A:LYS:HG3	1:36:A:LYS:H	11	0.21
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	5	0.21
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	5	0.21
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	5	0.21
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	5	0.21
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	5	0.21
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	5	0.21
(6,1350)	1:141:A:VAL:HG11	1:141:A:VAL:H	19	0.21
(6,1350)	1:141:A:VAL:HG12	1:141:A:VAL:H	19	0.21
(6,1350)	1:141:A:VAL:HG13	1:141:A:VAL:H	19	0.21
(6,1350)	1:141:A:VAL:HG21	1:141:A:VAL:H	19	0.21
(6,1350)	1:141:A:VAL:HG22	1:141:A:VAL:H	19	0.21
(6,1350)	1:141:A:VAL:HG23	1:141:A:VAL:H	19	0.21
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	11	0.21
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	11	0.21
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	4	0.21
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	4	0.21
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	4	0.21
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	13	0.21
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	13	0.21
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	13	0.21
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	14	0.21
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	14	0.21
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	14	0.21
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	4	0.21
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	4	0.21
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	4	0.21
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	4	0.21
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	14	0.21
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	14	0.21
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	14	0.21
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	14	0.21
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	12	0.21
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	12	0.21
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	2	0.21
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	2	0.21
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	7	0.21
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	7	0.21
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	14	0.21
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	14	0.21
(6,1240)	1:90:A:LYS:HG2	1:90:A:LYS:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1240)	1:90:A:LYS:HG3	1:90:A:LYS:H	13	0.21
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	5	0.21
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	10	0.21
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	10	0.21
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	10	0.21
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	10	0.21
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	10	0.21
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	10	0.21
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	19	0.21
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	19	0.21
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	19	0.21
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	19	0.21
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	19	0.21
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	19	0.21
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	10	0.21
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	10	0.21
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	11	0.21
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	11	0.21
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	14	0.21
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	16	0.21
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	20	0.21
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	17	0.21
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	17	0.21
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	17	0.21
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	17	0.21
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	17	0.21
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	17	0.21
(6,1078)	1:30:A:THR:HB	1:30:A:THR:H	7	0.21
(6,1078)	1:30:A:THR:HB	1:30:A:THR:H	13	0.21
(6,1078)	1:30:A:THR:HB	1:30:A:THR:H	14	0.21
(6,1078)	1:30:A:THR:HB	1:30:A:THR:H	19	0.21
(6,1036)	1:33:A:LYS:HG2	1:33:A:LYS:H	19	0.21
(6,1036)	1:33:A:LYS:HG3	1:33:A:LYS:H	19	0.21
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	2	0.21
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	2	0.21
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	3	0.21
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	3	0.21
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	10	0.21
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	10	0.21
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	4	0.21
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	6	0.21
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	12	0.21
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	10	0.21
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	10	0.21
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	5	0.21
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	4	0.21
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	4	0.21
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	13	0.21
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	13	0.21
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	6	0.21
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	7	0.21
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	11	0.21
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	12	0.21
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	13	0.21
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	7	0.21
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	9	0.21
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	13	0.21
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	12	0.21
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	12	0.21
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	12	0.21
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	12	0.21
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	3	0.21
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	3	0.21
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	8	0.21
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	8	0.21
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	18	0.21
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	18	0.21
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	7	0.21
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	7	0.21
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	7	0.21
(6,810)	1:75:A:TRP:HA	1:75:A:TRP:H	17	0.21
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	20	0.21
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	20	0.21
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	1	0.21
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	1	0.21
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	1	0.21
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	1	0.21
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	1	0.21
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	1	0.21
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB2	20	0.21
(6,728)	1:88:A:PHE:H	1:88:A:PHE:HB3	20	0.21
(6,727)	1:88:A:PHE:HB2	1:88:A:PHE:H	20	0.21
(6,727)	1:88:A:PHE:HB3	1:88:A:PHE:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	5	0.21
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	5	0.21
(6,685)	1:95:A:MET:HB2	1:96:A:THR:H	17	0.21
(6,685)	1:95:A:MET:HB3	1:96:A:THR:H	17	0.21
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	1	0.21
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	16	0.21
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	16	0.21
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	16	0.21
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	16	0.21
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	16	0.21
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	16	0.21
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	5	0.21
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	8	0.21
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	12	0.21
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	17	0.21
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	13	0.21
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	7	0.21
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	7	0.21
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	7	0.21
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	7	0.21
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	7	0.21
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	5	0.21
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	3	0.21
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	3	0.21
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	8	0.21
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	8	0.21
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	6	0.21
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	6	0.21
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	3	0.21
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	5	0.21
(6,516)	1:77:A:LEU:HG	1:78:A:ASP:H	11	0.21
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	13	0.21
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	13	0.21
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	13	0.21
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	5	0.21
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	5	0.21
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	3	0.21
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	3	0.21
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	6	0.21
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	6	0.21
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	14	0.21
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	19	0.21
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	19	0.21
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	3	0.21
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	3	0.21
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	13	0.21
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	13	0.21
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	6	0.21
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	11	0.21
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	2	0.21
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	2	0.21
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	3	0.21
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	3	0.21
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	6	0.21
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	6	0.21
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	10	0.21
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	10	0.21
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	11	0.21
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	11	0.21
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	7	0.21
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	7	0.21
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	4	0.21
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	4	0.21
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	14	0.21
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	14	0.21
(6,277)	1:142:A:PHE:HB2	1:142:A:PHE:H	11	0.21
(6,277)	1:142:A:PHE:HB3	1:142:A:PHE:H	11	0.21
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	4	0.21
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	4	0.21
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	2	0.21
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	2	0.21
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	9	0.21
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	16	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	1	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	2	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	3	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	4	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	5	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	6	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	7	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	10	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	11	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	13	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	14	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	16	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	17	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	18	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	19	0.21
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	20	0.21
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	2	0.21
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	2	0.21
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	3	0.21
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	3	0.21
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	12	0.21
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	12	0.21
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	17	0.21
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	17	0.21
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	2	0.21
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	5	0.21
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	7	0.21
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	8	0.21
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	16	0.21
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	17	0.21
(6,94)	1:11:A:MET:HG2	1:11:A:MET:H	10	0.21
(6,94)	1:11:A:MET:HG3	1:11:A:MET:H	10	0.21
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG2	17	0.21
(6,88)	1:10:A:LYS:H	1:10:A:LYS:HG3	17	0.21
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	12	0.21
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	18	0.21
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	4	0.21
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	4	0.21
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	4	0.21
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	4	0.21
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	10	0.21
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	10	0.21
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	10	0.21
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	10	0.21
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	4	0.21
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	4	0.21
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	4	0.21
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	4	0.21
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	10	0.21
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	10	0.21
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	10	0.21
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	4	0.21
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	4	0.21
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	4	0.21
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	4	0.21
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	10	0.21
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	10	0.21
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	10	0.21
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	10	0.21
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	4	0.21
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	4	0.21
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	4	0.21
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	4	0.21
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	10	0.21
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	10	0.21
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	10	0.21
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	10	0.21
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	5	0.21
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	5	0.21
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	9	0.21
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	9	0.21
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	11	0.21
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	11	0.21
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	15	0.21
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	15	0.21
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	5	0.21
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	5	0.21
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	9	0.21
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	9	0.21
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	11	0.21
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	11	0.21
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	15	0.21
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	15	0.21
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	19	0.21
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	19	0.21
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	19	0.21
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	9	0.21
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	9	0.21
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	9	0.21
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	9	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	1	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	4	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	6	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	7	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	8	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	9	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	11	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	12	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	13	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	14	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	16	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	17	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	18	0.21
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	20	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	1	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	2	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	4	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	6	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	7	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	8	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	9	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	11	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	12	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	13	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	14	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	16	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	17	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	18	0.21
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	20	0.21
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	17	0.21
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	17	0.21
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	17	0.21
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	17	0.21
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	17	0.21
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	17	0.21
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	17	0.21
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	17	0.21
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	17	0.21
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	17	0.21
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	17	0.21
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	17	0.21
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE2	16	0.21
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE3	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE2	16	0.21
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE3	16	0.21
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE2	16	0.21
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE3	16	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	3	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	3	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	8	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	8	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	11	0.21
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	11	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	2	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	2	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	2	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	2	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	3	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	3	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	3	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	3	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	4	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	4	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	4	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	4	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	6	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	6	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	6	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	6	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	11	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	11	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	11	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	11	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	12	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	12	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	12	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	12	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	14	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	14	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	14	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	14	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	19	0.21
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	19	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	19	0.21
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	2	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	2	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	2	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	2	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	3	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	3	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	3	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	3	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	4	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	4	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	4	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	4	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	6	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	6	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	6	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	6	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	11	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	11	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	11	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	11	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	12	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	12	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	12	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	12	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	14	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	14	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	14	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	14	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.21
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.21
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.21
(4,2907)	1:145:A:PRO:HD2	1:144:A:ARG:HB2	20	0.21
(4,2907)	1:145:A:PRO:HD2	1:144:A:ARG:HB3	20	0.21
(4,2907)	1:145:A:PRO:HD3	1:144:A:ARG:HB2	20	0.21
(4,2907)	1:145:A:PRO:HD3	1:144:A:ARG:HB3	20	0.21
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	2	0.21
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	2	0.21
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	2	0.21
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	2	0.21
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	18	0.21
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	6	0.21
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	6	0.21
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	6	0.21
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	6	0.21
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	6	0.21
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	6	0.21
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	15	0.21
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	15	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	2	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	2	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	3	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	3	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	6	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	6	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	10	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	10	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	11	0.21
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	11	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	2	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	2	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	3	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	3	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	6	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	6	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	10	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	10	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	11	0.21
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	11	0.21
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB2	12	0.21
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB3	12	0.21
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB2	12	0.21
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB3	12	0.21
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD1	12	0.21
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD2	12	0.21
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD1	12	0.21
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD2	12	0.21
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	5	0.21
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	5	0.21
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	5	0.21
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	5	0.21
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	5	0.21
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	5	0.21
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	5	0.21
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	5	0.21
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	5	0.21
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	5	0.21
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	5	0.21
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	7	0.21
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	7	0.21
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	7	0.21
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	7	0.21
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	7	0.21
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	7	0.21
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	7	0.21
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	7	0.21
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	7	0.21
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	7	0.21
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	7	0.21
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	7	0.21
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	10	0.21
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	10	0.21
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	10	0.21
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	1	0.21
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	1	0.21
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	1	0.21
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	1	0.21
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	1	0.21
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	1	0.21
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	1	0.21
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	1	0.21
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	1	0.21
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	19	0.21
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	19	0.21
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	19	0.21
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	19	0.21
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	19	0.21
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	19	0.21
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	19	0.21
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	19	0.21
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	19	0.21
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	1	0.21
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	1	0.21
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	1	0.21
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	1	0.21
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	1	0.21
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	1	0.21
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	1	0.21
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	1	0.21
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	1	0.21
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	1	0.21
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	1	0.21
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	13	0.21
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	13	0.21
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	13	0.21
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	13	0.21
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	13	0.21
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	13	0.21
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	13	0.21
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	13	0.21
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	13	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	8	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	8	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	9	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	9	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	10	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	10	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	12	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	12	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	17	0.21
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	17	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	8	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	8	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	9	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	9	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	10	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	10	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	12	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	12	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	17	0.21
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	17	0.21
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	6	0.21
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	6	0.21
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	6	0.21
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	19	0.21
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	19	0.21
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	9	0.21
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	9	0.21
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	9	0.21
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	9	0.21
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	9	0.21
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	9	0.21
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	17	0.21
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG21	4	0.21
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG22	4	0.21
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG23	4	0.21
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG21	4	0.21
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG22	4	0.21
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG23	4	0.21
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	17	0.21
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	17	0.21
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	17	0.21
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	17	0.21
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	4	0.21
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	4	0.21
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	4	0.21
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	4	0.21
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	13	0.21
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	13	0.21
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	13	0.21
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	13	0.21
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	20	0.21
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	20	0.21
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	20	0.21
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	20	0.21
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	5	0.21
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	7	0.21
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	10	0.21
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	11	0.21
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	17	0.21
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	8	0.21
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	8	0.21
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	8	0.21
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	8	0.21
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	8	0.21
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	8	0.21
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	8	0.21
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	8	0.21
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	8	0.21
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	8	0.21
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	8	0.21
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	20	0.21
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	20	0.21
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	20	0.21
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	20	0.21
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	20	0.21
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	20	0.21
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	20	0.21
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	20	0.21
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	20	0.21
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	20	0.21
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	20	0.21
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	20	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	10	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	10	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	10	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	10	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	10	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	10	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	10	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	10	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	10	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	10	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	10	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	10	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	13	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	13	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	13	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	13	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	13	0.21
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	13	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	13	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	13	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	13	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	13	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	13	0.21
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	13	0.21
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	13	0.21
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	13	0.21
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	13	0.21
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	13	0.21
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	13	0.21
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	18	0.21
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	18	0.21
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	13	0.21
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	13	0.21
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB2	15	0.21
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB3	15	0.21
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB2	15	0.21
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB3	15	0.21
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	3	0.21
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	3	0.21
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	8	0.21
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	8	0.21
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	20	0.21
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	20	0.21
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	20	0.21
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	20	0.21
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	20	0.21
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	20	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	8	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	8	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	8	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	8	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	8	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	8	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	8	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	8	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	8	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	8	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	8	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	8	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	11	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	11	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	11	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	11	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	11	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	11	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	11	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	11	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	11	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	11	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	11	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	14	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	14	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	14	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	14	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	14	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	14	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	14	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	14	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	14	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	14	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	14	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	14	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	17	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	17	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	17	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	17	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	17	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	17	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	17	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	17	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	17	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	17	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	17	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	17	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	20	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	20	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	20	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	20	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	20	0.21
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	20	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	20	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	20	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	20	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	20	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	20	0.21
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	11	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	11	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	11	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	11	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	11	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	11	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	11	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	11	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	11	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	11	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	11	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	11	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	13	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	13	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	13	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	13	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	13	0.21
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	13	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	13	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	13	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	13	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	13	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	13	0.21
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	13	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	3	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	3	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	10	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	10	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	12	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	12	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	20	0.21
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	20	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	1	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	1	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	1	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	1	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	1	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	1	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	4	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	4	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	4	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	4	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	4	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	13	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	13	0.21
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	13	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	13	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	13	0.21
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	13	0.21
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	6	0.21
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	6	0.21
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	6	0.21
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	6	0.21
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	6	0.21
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	6	0.21
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	6	0.21
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	6	0.21
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	6	0.21
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	6	0.21
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	6	0.21
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	6	0.21
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	10	0.21
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	10	0.21
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	10	0.21
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	10	0.21
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	10	0.21
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	10	0.21
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	16	0.21
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	16	0.21
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	18	0.21
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	18	0.21
(4,2398)	1:105:A:ALA:HA	1:99:A:THR:HB	19	0.21
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	3	0.21
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	3	0.21
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	3	0.21
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	3	0.21
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	3	0.21
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	3	0.21
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG21	9	0.21
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG22	9	0.21
(4,2374)	1:97:A:ILE:HG21	1:96:A:THR:HG23	9	0.21
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG21	9	0.21
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG22	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2374)	1:97:A:ILE:HG22	1:96:A:THR:HG23	9	0.21
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG21	9	0.21
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG22	9	0.21
(4,2374)	1:97:A:ILE:HG23	1:96:A:THR:HG23	9	0.21
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE1	10	0.21
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE2	10	0.21
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE3	10	0.21
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE1	10	0.21
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE2	10	0.21
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE3	10	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	4	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	4	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	12	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	12	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	13	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	13	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	14	0.21
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	14	0.21
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	15	0.21
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	15	0.21
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	11	0.21
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	11	0.21
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	17	0.21
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	17	0.21
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD11	17	0.21
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD12	17	0.21
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD13	17	0.21
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD21	17	0.21
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD22	17	0.21
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD23	17	0.21
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD11	17	0.21
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD12	17	0.21
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD13	17	0.21
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD21	17	0.21
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD22	17	0.21
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD23	17	0.21
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	14	0.21
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	19	0.21
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	3	0.21
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	3	0.21
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	3	0.21
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	3	0.21
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	3	0.21
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	3	0.21
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	3	0.21
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	1	0.21
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	1	0.21
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	15	0.21
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	15	0.21
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	15	0.21
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	10	0.21
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	10	0.21
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	17	0.21
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	17	0.21
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	8	0.21
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	13	0.21
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	13	0.21
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	13	0.21
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	13	0.21
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	13	0.21
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	13	0.21
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE1	6	0.21
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE2	6	0.21
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE1	6	0.21
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE2	6	0.21
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE1	6	0.21
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE2	6	0.21
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE1	6	0.21
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE2	6	0.21
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE1	6	0.21
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE2	6	0.21
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE1	6	0.21
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE2	6	0.21
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD11	3	0.21
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD12	3	0.21
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD13	3	0.21
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD21	3	0.21
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD22	3	0.21
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD23	3	0.21
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD11	3	0.21
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD12	3	0.21
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD13	3	0.21
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD21	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD22	3	0.21
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD23	3	0.21
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD11	3	0.21
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD12	3	0.21
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD13	3	0.21
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD21	3	0.21
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD22	3	0.21
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD23	3	0.21
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD11	3	0.21
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD12	3	0.21
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD13	3	0.21
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD21	3	0.21
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD22	3	0.21
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD23	3	0.21
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD11	3	0.21
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD12	3	0.21
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD13	3	0.21
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD21	3	0.21
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD22	3	0.21
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD23	3	0.21
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD11	3	0.21
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD12	3	0.21
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD13	3	0.21
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD21	3	0.21
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD22	3	0.21
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD23	3	0.21
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	12	0.21
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	12	0.21
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	12	0.21
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	12	0.21
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	3	0.21
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	3	0.21
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	5	0.21
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	5	0.21
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB2	13	0.21
(4,2148)	1:75:A:TRP:H	1:75:A:TRP:HB3	13	0.21
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	5	0.21
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	5	0.21
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	14	0.21
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	3	0.21
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	3	0.21
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	5	0.21
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB2	13	0.21
(4,2138)	1:75:A:TRP:H	1:75:A:TRP:HB3	13	0.21
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	6	0.21
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	6	0.21
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	6	0.21
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	6	0.21
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	6	0.21
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	6	0.21
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	6	0.21
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	6	0.21
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	6	0.21
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	6	0.21
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	6	0.21
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	6	0.21
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	6	0.21
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	6	0.21
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	6	0.21
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	6	0.21
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	6	0.21
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	6	0.21
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	6	0.21
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	6	0.21
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	6	0.21
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	6	0.21
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	6	0.21
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	6	0.21
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	6	0.21
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	6	0.21
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	6	0.21
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	6	0.21
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	6	0.21
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	6	0.21
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	6	0.21
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	6	0.21
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	6	0.21
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	6	0.21
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	6	0.21
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	6	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	11	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	11	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	11	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	11	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	11	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	11	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	11	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	11	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	11	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	11	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	11	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	19	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	19	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	19	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	19	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	19	0.21
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	19	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	19	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	19	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	19	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	19	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	19	0.21
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	19	0.21
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	15	0.21
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	15	0.21
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	15	0.21
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	18	0.21
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	18	0.21
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	18	0.21
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	12	0.21
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	12	0.21
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	12	0.21
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	12	0.21
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	12	0.21
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	12	0.21
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	8	0.21
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	8	0.21
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	14	0.21
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	14	0.21
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	15	0.21
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	15	0.21
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	3	0.21
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	16	0.21
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	20	0.21
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	5	0.21
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	5	0.21
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	14	0.21
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	14	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	2	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	2	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	2	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	2	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	9	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	9	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	9	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	9	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	17	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	17	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	17	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	17	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	19	0.21
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	19	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	19	0.21
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	19	0.21
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	15	0.21
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	15	0.21
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	15	0.21
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	15	0.21
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	15	0.21
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	15	0.21
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	1	0.21
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	1	0.21
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	8	0.21
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	8	0.21
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	8	0.21
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	8	0.21
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	8	0.21
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	8	0.21
(4,1954)	1:64:A:ARG:HG2	1:63:A:TYR:HA	10	0.21
(4,1954)	1:64:A:ARG:HG3	1:63:A:TYR:HA	10	0.21
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	13	0.21
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	13	0.21
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	13	0.21
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	13	0.21
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	13	0.21
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	13	0.21
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	13	0.21
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	13	0.21
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	20	0.21
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	20	0.21
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	20	0.21
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	20	0.21
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	20	0.21
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	20	0.21
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	20	0.21
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	20	0.21
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	20	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	1	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	1	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	7	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	7	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	10	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	10	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	14	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	14	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	16	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	16	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	17	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	17	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	18	0.21
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	18	0.21
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD21	15	0.21
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD22	15	0.21
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD23	15	0.21
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG2	13	0.21
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG3	13	0.21
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	2	0.21
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	2	0.21
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	2	0.21
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	2	0.21
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	2	0.21
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	2	0.21
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	4	0.21
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	5	0.21
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	7	0.21
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	20	0.21
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	20	0.21
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	20	0.21
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	20	0.21
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	20	0.21
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	20	0.21
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	20	0.21
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	20	0.21
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	20	0.21
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	20	0.21
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	20	0.21
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	20	0.21
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	2	0.21
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	2	0.21
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	2	0.21
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	2	0.21
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	2	0.21
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	2	0.21
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	2	0.21
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	2	0.21
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	2	0.21
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	2	0.21
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	2	0.21
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	2	0.21
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	13	0.21
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	13	0.21
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	13	0.21
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	13	0.21
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	17	0.21
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	17	0.21
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	17	0.21
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	17	0.21
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	17	0.21
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	17	0.21
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	17	0.21
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	17	0.21
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	12	0.21
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	12	0.21
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	12	0.21
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	12	0.21
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	17	0.21
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	17	0.21
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	17	0.21
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	18	0.21
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	18	0.21
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	18	0.21
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	18	0.21
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	19	0.21
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	2	0.21
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	2	0.21
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	15	0.21
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	15	0.21
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	15	0.21
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	19	0.21
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	19	0.21
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	19	0.21
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	7	0.21
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	7	0.21
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	7	0.21
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	4	0.21
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	4	0.21
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	4	0.21
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	4	0.21
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	4	0.21
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	4	0.21
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	8	0.21
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	8	0.21
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	8	0.21
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	8	0.21
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	8	0.21
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	8	0.21
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	2	0.21
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	2	0.21
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	2	0.21
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG11	11	0.21
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG12	11	0.21
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG13	11	0.21
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG21	11	0.21
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG22	11	0.21
(4,1515)	1:29:A:ILE:HB	1:26:A:VAL:HG23	11	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG21	3	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG22	3	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG23	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG21	3	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG22	3	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG23	3	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG21	13	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG22	13	0.21
(4,1504)	1:24:A:GLU:HB2	1:25:A:THR:HG23	13	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG21	13	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG22	13	0.21
(4,1504)	1:24:A:GLU:HB3	1:25:A:THR:HG23	13	0.21
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	2	0.21
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	2	0.21
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	2	0.21
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	2	0.21
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	2	0.21
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	2	0.21
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	2	0.21
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	2	0.21
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	2	0.21
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	2	0.21
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	2	0.21
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	2	0.21
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	2	0.21
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	2	0.21
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	2	0.21
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	2	0.21
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	2	0.21
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	2	0.21
(4,1462)	1:20:A:LEU:HA	1:23:A:ARG:HB2	1	0.21
(4,1462)	1:20:A:LEU:HA	1:23:A:ARG:HB3	1	0.21
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	5	0.21
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	5	0.21
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	9	0.21
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	13	0.21
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	17	0.21
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	17	0.21
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	17	0.21
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	17	0.21
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	17	0.21
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	17	0.21
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	17	0.21
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	17	0.21
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	17	0.21
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	17	0.21
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	17	0.21
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	17	0.21
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	17	0.21
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	17	0.21
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	17	0.21
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	17	0.21
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	17	0.21
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	5	0.21
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	5	0.21
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	5	0.21
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	5	0.21
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	18	0.21
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	18	0.21
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	18	0.21
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	18	0.21
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	10	0.21
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	12	0.21
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	12	0.21
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	12	0.21
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	12	0.21
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	14	0.21
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	14	0.21
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	14	0.21
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	14	0.21
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	19	0.21
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	19	0.21
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	19	0.21
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	19	0.21
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	2	0.21
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	2	0.21
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	2	0.21
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	2	0.21
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	11	0.21
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	11	0.21
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	11	0.21
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	11	0.21
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	11	0.21
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	11	0.21
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	15	0.21
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	15	0.21
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	15	0.21
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	15	0.21
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	15	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	18	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	18	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	18	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	18	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	18	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	18	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	18	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	18	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	18	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	18	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	18	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	18	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	19	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	19	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	19	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	19	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	19	0.21
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	19	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	19	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	19	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	19	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	19	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	19	0.21
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	19	0.21
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	10	0.21
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	10	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	2	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	2	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	2	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	2	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	3	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	3	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	3	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	3	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	9	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	9	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	9	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	17	0.21
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	17	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	17	0.21
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	17	0.21
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	8	0.21
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	15	0.21
(4,1313)	1:12:A:VAL:HA	1:12:A:VAL:HB	17	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	2	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	2	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	4	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	4	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	16	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	16	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	17	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	17	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	19	0.21
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	19	0.21
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	8	0.21
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	8	0.21
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	8	0.21
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	8	0.21
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	8	0.21
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	8	0.21
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	8	0.21
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	8	0.21
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	8	0.21
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	8	0.21
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	8	0.21
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	8	0.21
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	14	0.21
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	14	0.21
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	14	0.21
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	14	0.21
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	14	0.21
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	14	0.21
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	7	0.21
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	7	0.21
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	7	0.21
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	7	0.21
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	10	0.21
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	10	0.21
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	10	0.21
(4,1230)	1:53:A:MET:HG2	1:8:A:LEU:HG	20	0.21
(4,1230)	1:53:A:MET:HG3	1:8:A:LEU:HG	20	0.21
(4,1225)	1:9:A:LYS:HD2	1:8:A:LEU:HB2	7	0.21
(4,1225)	1:9:A:LYS:HD2	1:8:A:LEU:HB3	7	0.21
(4,1225)	1:9:A:LYS:HD3	1:8:A:LEU:HB2	7	0.21
(4,1225)	1:9:A:LYS:HD3	1:8:A:LEU:HB3	7	0.21
(4,1170)	1:7:A:GLN:HB2	1:4:A:SER:HB2	19	0.21
(4,1170)	1:7:A:GLN:HB2	1:4:A:SER:HB3	19	0.21
(4,1170)	1:7:A:GLN:HB3	1:4:A:SER:HB2	19	0.21
(4,1170)	1:7:A:GLN:HB3	1:4:A:SER:HB3	19	0.21
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	18	0.21
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	18	0.21
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	6	0.21
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	7	0.21
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	18	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	1	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	1	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	3	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	3	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	6	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	6	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	12	0.21
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	12	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	1	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	1	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	3	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	3	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	6	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	6	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	12	0.21
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	12	0.21
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	4	0.21
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	4	0.21
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	4	0.21
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	10	0.21
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	10	0.21
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	3	0.21
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	3	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	1	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	1	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	7	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	14	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	14	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	17	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	17	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	19	0.21
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	19	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	1	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	1	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	7	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	7	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	14	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	14	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	17	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	17	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	19	0.21
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	19	0.21
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	1	0.21
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	1	0.21
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	1	0.21
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	1	0.21
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	1	0.21
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	1	0.21
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	1	0.21
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	1	0.21
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	1	0.21
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	1	0.21
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	1	0.21
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	1	0.21
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	1	0.21
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	1	0.21
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	1	0.21
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	1	0.21
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	1	0.21
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	1	0.21
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	1	0.21
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	1	0.21
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	1	0.21
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	1	0.21
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	1	0.21
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	1	0.21
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	12	0.21
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	18	0.21
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	18	0.21
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD11	3	0.21
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD12	3	0.21
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD13	3	0.21
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD21	3	0.21
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD22	3	0.21
(4,972)	1:124:A:LEU:HA	1:124:A:LEU:HD23	3	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	3	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	3	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	6	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	6	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	7	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	7	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	9	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	9	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	17	0.21
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	17	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	3	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	3	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	6	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	6	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	7	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	7	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	9	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	9	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	17	0.21
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	17	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	5	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	5	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	5	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	5	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	5	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	5	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	7	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	7	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	7	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	7	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	7	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	7	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	19	0.21
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	19	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	19	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	19	0.21
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	19	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	2	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	3	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	6	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	7	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	14	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	17	0.21
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	20	0.21
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	6	0.21
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	6	0.21
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	6	0.21
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	6	0.21
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	6	0.21
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	6	0.21
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	18	0.21
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	18	0.21
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	18	0.21
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	18	0.21
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	18	0.21
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	18	0.21
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	14	0.21
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	14	0.21
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	17	0.21
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	17	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	2	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	2	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	8	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	8	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	9	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	9	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	10	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	10	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	16	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	16	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	19	0.21
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	19	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	2	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	8	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	8	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	9	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	9	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	10	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	10	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	16	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	16	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	19	0.21
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	19	0.21
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	13	0.21
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	13	0.21
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	13	0.21
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	13	0.21
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	13	0.21
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	13	0.21
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	13	0.21
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	13	0.21
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	12	0.21
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	12	0.21
(4,750)	1:86:A:ILE:HG12	1:86:A:ILE:HA	19	0.21
(4,750)	1:86:A:ILE:HG13	1:86:A:ILE:HA	19	0.21
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	4	0.21
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	4	0.21
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	4	0.21
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	4	0.21
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	4	0.21
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	4	0.21
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	7	0.21
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	7	0.21
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	7	0.21
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	7	0.21
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	7	0.21
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	7	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	5	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	5	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	5	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	15	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	15	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	15	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	17	0.21
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	17	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	1	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	1	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	1	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	3	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	3	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	3	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	5	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	5	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	5	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	6	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	6	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	6	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	9	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	9	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	9	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	10	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	10	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	10	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	11	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	11	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	11	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	12	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	12	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	12	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	13	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	13	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	13	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	16	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	16	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	16	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	17	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	17	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	17	0.21
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	19	0.21
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	19	0.21
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	19	0.21
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	2	0.21
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	2	0.21
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	13	0.21
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	13	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	2	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	3	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	4	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	5	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	6	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	9	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	10	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	11	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	12	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	13	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	14	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	16	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	17	0.21
(4,694)	1:83:A:ASN:HB2	1:83:A:ASN:HB3	20	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	1	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	2	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	3	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	4	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	5	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	6	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	9	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	10	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	11	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	12	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	13	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	14	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	16	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	17	0.21
(4,693)	1:83:A:ASN:HB3	1:83:A:ASN:HB2	20	0.21
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	16	0.21
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	16	0.21
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	19	0.21
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	19	0.21
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	19	0.21
(4,614)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	19	0.21
(4,614)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	19	0.21
(4,614)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	19	0.21
(4,614)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	19	0.21
(4,613)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	19	0.21
(4,613)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	19	0.21
(4,613)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	19	0.21
(4,613)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,612)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	19	0.21
(4,612)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	19	0.21
(4,612)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	19	0.21
(4,612)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	19	0.21
(4,611)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	19	0.21
(4,611)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	19	0.21
(4,611)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	19	0.21
(4,611)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	19	0.21
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	15	0.21
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	15	0.21
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	15	0.21
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	15	0.21
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	15	0.21
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	15	0.21
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	15	0.21
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	15	0.21
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	4	0.21
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	4	0.21
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	14	0.21
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	14	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	1	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	1	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	1	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	1	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	1	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	1	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	4	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	4	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	4	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	4	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	4	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	4	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	7	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	7	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	7	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	7	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	7	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	7	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	10	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	10	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	10	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	10	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	10	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	11	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	11	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	11	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	11	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	11	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	11	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	19	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	19	0.21
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	19	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	19	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	19	0.21
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	19	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	1	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	1	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	1	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	1	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	1	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	1	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	4	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	4	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	4	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	4	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	4	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	4	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	7	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	7	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	7	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	7	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	7	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	7	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	10	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	10	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	10	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	10	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	10	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	10	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	11	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	11	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	11	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	11	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	11	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	19	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	19	0.21
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	19	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	19	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	19	0.21
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	19	0.21
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD11	2	0.21
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD12	2	0.21
(4,548)	1:52:A:LEU:HA	1:52:A:LEU:HD13	2	0.21
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	13	0.21
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	13	0.21
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	13	0.21
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	13	0.21
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	13	0.21
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	13	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	1	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	1	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	1	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	1	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	1	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	1	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	4	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	4	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	4	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	4	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	4	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	4	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	7	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	7	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	7	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	7	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	7	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	7	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	10	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	10	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	10	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	10	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	10	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	10	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	11	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	11	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	11	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	11	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	11	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	19	0.21
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	19	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	19	0.21
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	19	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	19	0.21
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	19	0.21
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	17	0.21
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	17	0.21
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	17	0.21
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	3	0.21
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	3	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	6	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	6	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	6	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	6	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	6	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	6	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	6	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	6	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	6	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	6	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	6	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	6	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	8	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	8	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	8	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	8	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	8	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	8	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	8	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	8	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	8	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	8	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	8	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	8	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	9	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	9	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	9	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	9	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	9	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	9	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	9	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	9	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	9	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	9	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	9	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	12	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	12	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	12	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	12	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	12	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	12	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	12	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	12	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	12	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	12	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	12	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	12	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	19	0.21
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	19	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	19	0.21
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	19	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	19	0.21
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	19	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	19	0.21
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	19	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	19	0.21
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	19	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	19	0.21
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	19	0.21
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	2	0.21
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	5	0.21
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	11	0.21
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	12	0.21
(4,321)	1:24:A:GLU:HG2	1:24:A:GLU:HG3	19	0.21
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	13	0.21
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	13	0.21
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	13	0.21
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	16	0.21
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	16	0.21
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	16	0.21
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	16	0.21
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	11	0.21
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	11	0.21
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	11	0.21
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	11	0.21
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	11	0.21
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	11	0.21
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	3	0.21
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	3	0.21
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	3	0.21
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	3	0.21
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	4	0.21
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	4	0.21
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	4	0.21
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	4	0.21
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	1	0.21
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	1	0.21
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	2	0.21
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	2	0.21
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	10	0.21
(4,246)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	10	0.21
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	10	0.21
(4,246)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	10	0.21
(4,239)	1:14:A:LYS:HB2	1:14:A:LYS:HA	13	0.21
(4,239)	1:14:A:LYS:HB3	1:14:A:LYS:HA	13	0.21
(4,238)	1:14:A:LYS:HA	1:14:A:LYS:HB2	13	0.21
(4,238)	1:14:A:LYS:HA	1:14:A:LYS:HB3	13	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	4	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	9	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	10	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	11	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	12	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	13	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	18	0.21
(4,235)	1:14:A:LYS:HB2	1:14:A:LYS:HB3	20	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	4	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	9	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	11	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	12	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	13	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	18	0.21
(4,234)	1:14:A:LYS:HB3	1:14:A:LYS:HB2	20	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	2	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	3	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	4	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	5	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	6	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	8	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	9	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	10	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	11	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	12	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	13	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	14	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	15	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	17	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	19	0.21
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	20	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	2	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	3	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	4	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	5	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	6	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	8	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	9	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	10	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	11	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	12	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	13	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	14	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	15	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	17	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	19	0.21
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	20	0.21
(4,210)	1:11:A:MET:HB3	1:11:A:MET:HB2	1	0.21
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	10	0.21
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	10	0.21
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	10	0.21
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	10	0.21
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	10	0.21
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	10	0.21
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	10	0.21
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	10	0.21
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	10	0.21
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	10	0.21
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	10	0.21
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	5	0.21
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	5	0.21
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	5	0.21
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	5	0.21
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	5	0.21
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	5	0.21
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	5	0.21
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	5	0.21
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	5	0.21
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	5	0.21
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	5	0.21
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	5	0.21
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	7	0.21
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	7	0.21
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	7	0.21
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	7	0.21
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	7	0.21
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	7	0.21
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	7	0.21
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	7	0.21
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	7	0.21
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	7	0.21
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	7	0.21
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	7	0.21
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	5	0.21
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	5	0.21
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	5	0.21
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	5	0.21
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	10	0.21
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	10	0.21
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	10	0.21
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	10	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	1	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	1	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	1	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	9	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	9	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	9	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	9	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	18	0.21
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	18	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	18	0.21
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	18	0.21
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD2	3	0.21
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD3	3	0.21
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD2	3	0.21
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD3	3	0.21
(4,67)	1:116:A:GLU:HG2	1:116:A:GLU:HA	16	0.21
(4,67)	1:116:A:GLU:HG3	1:116:A:GLU:HA	16	0.21
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	7	0.21
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	7	0.21
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	7	0.21
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	7	0.21
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	13	0.21
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	13	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	14	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	14	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	14	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	14	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	14	0.21
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	14	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	14	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	14	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	14	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	14	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	14	0.21
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	14	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	14	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	14	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	14	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	14	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	14	0.21
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	14	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	14	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	14	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	14	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	14	0.21
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	14	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	14	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	14	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	14	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	14	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	14	0.21
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	14	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	14	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	14	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	14	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	14	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	14	0.21
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	14	0.21
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	14	0.21
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	14	0.21
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	14	0.21
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	14	0.21
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	14	0.21
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	14	0.21
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	14	0.21
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	14	0.21
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	14	0.21
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	6	0.21
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	6	0.21
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	6	0.21
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	6	0.21
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	6	0.21
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	6	0.21
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	12	0.21
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	12	0.21
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	15	0.21
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	15	0.21
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG12	16	0.21
(4,1)	1:109:A:ILE:HA	1:109:A:ILE:HG13	16	0.21
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	3	0.21
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	12	0.21
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	4	0.21
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	6	0.21
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	13	0.21
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	5	0.2
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	5	0.2
(8,76)	1:42:A:TYR:HD1	1:75:A:TRP:HH2	3	0.2
(8,76)	1:42:A:TYR:HD2	1:75:A:TRP:HH2	3	0.2
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	14	0.2
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	14	0.2
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	11	0.2
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	11	0.2
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	13	0.2
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	13	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	1	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	1	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	1	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	1	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	4	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	4	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	4	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	4	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	5	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	5	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	5	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	5	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	7	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	7	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	7	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	7	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	8	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	8	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	8	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	8	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	9	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	9	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	9	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	9	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	11	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	11	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	11	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	11	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	12	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	12	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	12	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	13	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	13	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	13	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	13	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	14	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	14	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	14	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	14	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	19	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	19	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	19	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	19	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	20	0.2
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	20	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	20	0.2
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	20	0.2
(8,47)	1:42:A:TYR:HE1	1:44:A:PHE:HZ	16	0.2
(8,47)	1:42:A:TYR:HE2	1:44:A:PHE:HZ	16	0.2
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	6	0.2
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	6	0.2
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	8	0.2
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	8	0.2
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	16	0.2
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	16	0.2
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	20	0.2
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	20	0.2
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	5	0.2
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	10	0.2
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	15	0.2
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	15	0.2
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	1	0.2
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	1	0.2
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	1	0.2
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	5	0.2
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	5	0.2
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	5	0.2
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	16	0.2
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	16	0.2
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	16	0.2
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	18	0.2
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	18	0.2
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	5	0.2
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	5	0.2
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	7	0.2
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	7	0.2
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	12	0.2
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	12	0.2
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	12	0.2
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	12	0.2
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	16	0.2
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	16	0.2
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	16	0.2
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	16	0.2
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	6	0.2
(6,1308)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	6	0.2
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	6	0.2
(6,1308)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	6	0.2
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	3	0.2
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	3	0.2
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	3	0.2
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	3	0.2
(6,1294)	1:77:A:LEU:HD11	1:83:A:ASN:HD21	15	0.2
(6,1294)	1:77:A:LEU:HD11	1:83:A:ASN:HD22	15	0.2
(6,1294)	1:77:A:LEU:HD12	1:83:A:ASN:HD21	15	0.2
(6,1294)	1:77:A:LEU:HD12	1:83:A:ASN:HD22	15	0.2
(6,1294)	1:77:A:LEU:HD13	1:83:A:ASN:HD21	15	0.2
(6,1294)	1:77:A:LEU:HD13	1:83:A:ASN:HD22	15	0.2
(6,1294)	1:77:A:LEU:HD21	1:83:A:ASN:HD21	15	0.2
(6,1294)	1:77:A:LEU:HD21	1:83:A:ASN:HD22	15	0.2
(6,1294)	1:77:A:LEU:HD22	1:83:A:ASN:HD21	15	0.2
(6,1294)	1:77:A:LEU:HD22	1:83:A:ASN:HD22	15	0.2
(6,1294)	1:77:A:LEU:HD23	1:83:A:ASN:HD21	15	0.2
(6,1294)	1:77:A:LEU:HD23	1:83:A:ASN:HD22	15	0.2
(6,1293)	1:77:A:LEU:HD11	1:83:A:ASN:HD21	15	0.2
(6,1293)	1:77:A:LEU:HD11	1:83:A:ASN:HD22	15	0.2
(6,1293)	1:77:A:LEU:HD12	1:83:A:ASN:HD21	15	0.2
(6,1293)	1:77:A:LEU:HD12	1:83:A:ASN:HD22	15	0.2
(6,1293)	1:77:A:LEU:HD13	1:83:A:ASN:HD21	15	0.2
(6,1293)	1:77:A:LEU:HD13	1:83:A:ASN:HD22	15	0.2
(6,1293)	1:77:A:LEU:HD21	1:83:A:ASN:HD21	15	0.2
(6,1293)	1:77:A:LEU:HD21	1:83:A:ASN:HD22	15	0.2
(6,1293)	1:77:A:LEU:HD22	1:83:A:ASN:HD21	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1293)	1:77:A:LEU:HD22	1:83:A:ASN:HD22	15	0.2
(6,1293)	1:77:A:LEU:HD23	1:83:A:ASN:HD21	15	0.2
(6,1293)	1:77:A:LEU:HD23	1:83:A:ASN:HD22	15	0.2
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	3	0.2
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	3	0.2
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	9	0.2
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	9	0.2
(6,1265)	1:122:A:SER:HB2	1:117:A:TRP:HE1	18	0.2
(6,1265)	1:122:A:SER:HB3	1:117:A:TRP:HE1	18	0.2
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	12	0.2
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	12	0.2
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	12	0.2
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	12	0.2
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	19	0.2
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	19	0.2
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	17	0.2
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	6	0.2
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	6	0.2
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	6	0.2
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	6	0.2
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	6	0.2
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	6	0.2
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	18	0.2
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	18	0.2
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	18	0.2
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	17	0.2
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	1	0.2
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	1	0.2
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	1	0.2
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	1	0.2
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	1	0.2
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	1	0.2
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	16	0.2
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	16	0.2
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	15	0.2
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	15	0.2
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	4	0.2
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	4	0.2
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	1	0.2
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	1	0.2
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	20	0.2
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	2	0.2
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	18	0.2
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	1	0.2
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	1	0.2
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	11	0.2
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	11	0.2
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	11	0.2
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	6	0.2
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	6	0.2
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	6	0.2
(6,913)	1:73:A:CYS:HA	1:55:A:LEU:H	15	0.2
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	7	0.2
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	7	0.2
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	8	0.2
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	8	0.2
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	1	0.2
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	1	0.2
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	2	0.2
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	2	0.2
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	4	0.2
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	4	0.2
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	7	0.2
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	7	0.2
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	3	0.2
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	5	0.2
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	2	0.2
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	15	0.2
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	11	0.2
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	11	0.2
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	13	0.2
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	13	0.2
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	1	0.2
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	11	0.2
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	11	0.2
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	13	0.2
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	13	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	4	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	4	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	7	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	7	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	19	0.2
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	12	0.2
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	12	0.2
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	3	0.2
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	3	0.2
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	3	0.2
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	5	0.2
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	5	0.2
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	5	0.2
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	14	0.2
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	14	0.2
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	14	0.2
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	19	0.2
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	19	0.2
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	19	0.2
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	7	0.2
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	7	0.2
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	4	0.2
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	4	0.2
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	4	0.2
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	4	0.2
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	4	0.2
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	4	0.2
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	13	0.2
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	13	0.2
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	13	0.2
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	13	0.2
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	13	0.2
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	13	0.2
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	15	0.2
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	15	0.2
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	15	0.2
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	15	0.2
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	15	0.2
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	15	0.2
(6,804)	1:76:A:LEU:HD11	1:76:A:LEU:H	11	0.2
(6,804)	1:76:A:LEU:HD12	1:76:A:LEU:H	11	0.2
(6,804)	1:76:A:LEU:HD13	1:76:A:LEU:H	11	0.2
(6,804)	1:76:A:LEU:HD21	1:76:A:LEU:H	11	0.2
(6,804)	1:76:A:LEU:HD22	1:76:A:LEU:H	11	0.2
(6,804)	1:76:A:LEU:HD23	1:76:A:LEU:H	11	0.2
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	19	0.2
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	16	0.2
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	16	0.2
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	8	0.2
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	11	0.2
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	13	0.2
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	13	0.2
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	8	0.2
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	13	0.2
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	12	0.2
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	12	0.2
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	12	0.2
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	2	0.2
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	12	0.2
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	12	0.2
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	19	0.2
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	19	0.2
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	6	0.2
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	6	0.2
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	12	0.2
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	12	0.2
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	17	0.2
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	17	0.2
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	4	0.2
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	4	0.2
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	19	0.2
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	19	0.2
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	19	0.2
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	11	0.2
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	11	0.2
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	11	0.2
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	12	0.2
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	12	0.2
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	12	0.2
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG2	6	0.2
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG3	6	0.2
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	4	0.2
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	4	0.2
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	4	0.2
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	10	0.2
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	10	0.2
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	10	0.2
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	15	0.2
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	15	0.2
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	8	0.2
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	8	0.2
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	9	0.2
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	9	0.2
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	9	0.2
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	14	0.2
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	14	0.2
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	16	0.2
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	16	0.2
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	18	0.2
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	18	0.2
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	19	0.2
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	19	0.2
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	19	0.2
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	19	0.2
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	19	0.2
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	19	0.2
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	5	0.2
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	5	0.2
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	11	0.2
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	11	0.2
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	6	0.2
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	10	0.2
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	18	0.2
(6,172)	1:17:A:TYR:HA	1:17:A:TYR:H	9	0.2
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	5	0.2
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	5	0.2
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	13	0.2
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	13	0.2
(6,161)	1:16:A:LYS:HB2	1:16:A:LYS:H	7	0.2
(6,161)	1:16:A:LYS:HB3	1:16:A:LYS:H	7	0.2
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	16	0.2
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	16	0.2
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	4	0.2
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	18	0.2
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	11	0.2
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	11	0.2
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	15	0.2
(6,94)	1:11:A:MET:HG2	1:11:A:MET:H	4	0.2
(6,94)	1:11:A:MET:HG3	1:11:A:MET:H	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	2	0.2
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	4	0.2
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	8	0.2
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	15	0.2
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	3	0.2
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	3	0.2
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	3	0.2
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	3	0.2
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	6	0.2
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	6	0.2
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	6	0.2
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	6	0.2
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.2
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.2
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.2
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.2
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	3	0.2
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	3	0.2
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	3	0.2
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	3	0.2
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	6	0.2
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	6	0.2
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	6	0.2
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	6	0.2
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.2
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.2
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.2
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.2
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	3	0.2
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	3	0.2
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	3	0.2
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	3	0.2
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	6	0.2
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	6	0.2
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	6	0.2
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	6	0.2
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.2
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.2
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.2
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.2
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	3	0.2
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	3	0.2
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	3	0.2
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	6	0.2
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	6	0.2
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	6	0.2
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	6	0.2
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	20	0.2
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	20	0.2
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	20	0.2
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	20	0.2
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	20	0.2
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	20	0.2
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	20	0.2
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	20	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	3	0.2
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	3	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	4	0.2
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	4	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	8	0.2
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	8	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	16	0.2
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	16	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	17	0.2
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	17	0.2
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	19	0.2
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	19	0.2
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	3	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	3	0.2
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	4	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	4	0.2
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	8	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	8	0.2
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	16	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	16	0.2
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	17	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	17	0.2
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	19	0.2
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	19	0.2
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	13	0.2
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	13	0.2
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	13	0.2
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	2	0.2
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	2	0.2
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	2	0.2
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	13	0.2
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	13	0.2
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	13	0.2
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	13	0.2
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	8	0.2
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	8	0.2
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	8	0.2
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	8	0.2
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	8	0.2
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	8	0.2
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	15	0.2
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	15	0.2
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	15	0.2
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	15	0.2
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	15	0.2
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	15	0.2
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	6	0.2
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	6	0.2
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	6	0.2
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	6	0.2
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	3	0.2
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	5	0.2
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	10	0.2
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	15	0.2
(4,3133)	1:90:A:LYS:HE2	1:90:A:LYS:HE3	19	0.2
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	3	0.2
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	5	0.2
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	10	0.2
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	15	0.2
(4,3132)	1:90:A:LYS:HE3	1:90:A:LYS:HE2	19	0.2
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	9	0.2
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	9	0.2
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	20	0.2
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	20	0.2
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	8	0.2
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	8	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	1	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	1	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	1	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	5	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	5	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	5	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	5	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	7	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	7	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	7	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	7	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	8	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	8	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	8	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	8	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	9	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	9	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	9	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	9	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	10	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	10	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	10	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	10	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	13	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	13	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	13	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	13	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	15	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	15	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	15	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	15	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	16	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	16	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	16	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	16	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	17	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	17	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	17	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	17	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	18	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	18	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	18	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	18	0.2
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2944)	1:71:A:PRO:HG2	1:71:A:PRO:HD3	20	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD2	20	0.2
(4,2944)	1:71:A:PRO:HG3	1:71:A:PRO:HD3	20	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	1	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	1	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	1	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	1	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	5	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	5	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	5	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	5	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	7	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	7	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	7	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	7	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	8	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	8	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	8	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	8	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	9	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	9	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	9	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	9	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	10	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	10	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	10	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	10	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	13	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	13	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	13	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	13	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	15	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	15	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	15	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	15	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	16	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	16	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	16	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	16	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	17	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	17	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	17	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	18	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	18	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	18	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	18	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	20	0.2
(4,2943)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	20	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	20	0.2
(4,2943)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	20	0.2
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	6	0.2
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	6	0.2
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	6	0.2
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	6	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	1	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	1	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	1	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	1	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	1	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	1	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	18	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	18	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	18	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	18	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	18	0.2
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	18	0.2
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	18	0.2
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	18	0.2
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	14	0.2
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	14	0.2
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	16	0.2
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	16	0.2
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	18	0.2
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	18	0.2
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	14	0.2
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	14	0.2
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	16	0.2
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	16	0.2
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	18	0.2
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	18	0.2
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	10	0.2
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	12	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	1	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	1	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	8	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	8	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	8	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	9	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	9	0.2
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	9	0.2
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	7	0.2
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	7	0.2
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	7	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	9	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	9	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	9	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	9	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	9	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	9	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	9	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	9	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	9	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	12	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	12	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	12	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	12	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	12	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	12	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	12	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	12	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	12	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	13	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	13	0.2
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	13	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	13	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	13	0.2
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	13	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	13	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	13	0.2
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	13	0.2
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	2	0.2
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	2	0.2
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	2	0.2
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	16	0.2
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	16	0.2
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	17	0.2
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	17	0.2
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	17	0.2
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	17	0.2
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	17	0.2
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	17	0.2
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	17	0.2
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	17	0.2
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	17	0.2
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	15	0.2
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	15	0.2
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	15	0.2
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	15	0.2
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	15	0.2
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	15	0.2
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	15	0.2
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	15	0.2
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	15	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	1	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	1	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	4	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	4	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	5	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	5	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	7	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	7	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	13	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	13	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	16	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	16	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	19	0.2
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	19	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	1	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	1	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	4	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	4	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	5	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	5	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	7	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	13	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	13	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	16	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	16	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	19	0.2
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	19	0.2
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	12	0.2
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG21	5	0.2
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG22	5	0.2
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG23	5	0.2
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG21	5	0.2
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG22	5	0.2
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG23	5	0.2
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB2	2	0.2
(4,2726)	1:130:A:VAL:H	1:129:A:GLN:HB3	2	0.2
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB2	2	0.2
(4,2725)	1:130:A:VAL:H	1:129:A:GLN:HB3	2	0.2
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	10	0.2
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	10	0.2
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	10	0.2
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	10	0.2
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	20	0.2
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	20	0.2
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	1	0.2
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	18	0.2
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	19	0.2
(4,2693)	1:125:A:LEU:HA	1:128:A:ILE:HB	20	0.2
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	2	0.2
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	2	0.2
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	2	0.2
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	2	0.2
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	2	0.2
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	2	0.2
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	2	0.2
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	2	0.2
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	2	0.2
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	2	0.2
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	2	0.2
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	2	0.2
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	4	0.2
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	4	0.2
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	4	0.2
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	4	0.2
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	4	0.2
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	4	0.2
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	4	0.2
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	4	0.2
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	4	0.2
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	4	0.2
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	4	0.2
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	2	0.2
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	2	0.2
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	2	0.2
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	2	0.2
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	2	0.2
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	2	0.2
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	2	0.2
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	2	0.2
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	2	0.2
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	2	0.2
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	2	0.2
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	2	0.2
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	11	0.2
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	11	0.2
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	17	0.2
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	17	0.2
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	17	0.2
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	17	0.2
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	17	0.2
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	17	0.2
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	3	0.2
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	3	0.2
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	12	0.2
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	12	0.2
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	16	0.2
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB2	16	0.2
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB3	16	0.2
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB2	16	0.2
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB3	16	0.2
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	6	0.2
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	6	0.2
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	15	0.2
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	19	0.2
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	19	0.2
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD11	2	0.2
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD12	2	0.2
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD13	2	0.2
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD21	2	0.2
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD22	2	0.2
(4,2556)	1:114:A:LEU:HB2	1:114:A:LEU:HD23	2	0.2
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD11	2	0.2
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD12	2	0.2
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD13	2	0.2
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD21	2	0.2
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD22	2	0.2
(4,2556)	1:114:A:LEU:HB3	1:114:A:LEU:HD23	2	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	3	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	3	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	3	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	3	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	3	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	3	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	3	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	3	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	3	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	3	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	3	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	3	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	5	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	5	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	5	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	5	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	5	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	5	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	5	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	5	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	5	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	5	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	5	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	5	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	17	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	17	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	17	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	17	0.2
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	17	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	17	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	17	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	17	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	17	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	17	0.2
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	17	0.2
(4,2522)	1:116:A:GLU:HG2	1:113:A:TYR:HA	18	0.2
(4,2522)	1:116:A:GLU:HG3	1:113:A:TYR:HA	18	0.2
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB2	14	0.2
(4,2478)	1:111:A:LEU:HA	1:111:A:LEU:HB3	14	0.2
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	2	0.2
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	2	0.2
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	2	0.2
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	2	0.2
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	2	0.2
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	2	0.2
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	2	0.2
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	2	0.2
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	2	0.2
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	2	0.2
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	2	0.2
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	2	0.2
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG2	17	0.2
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG3	17	0.2
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG2	17	0.2
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG3	17	0.2
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG2	17	0.2
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG3	17	0.2
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	9	0.2
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	9	0.2
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	9	0.2
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	9	0.2
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	9	0.2
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	9	0.2
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	9	0.2
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	9	0.2
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	9	0.2
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	9	0.2
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	9	0.2
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	8	0.2
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	8	0.2
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	8	0.2
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	8	0.2
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	8	0.2
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	8	0.2
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	8	0.2
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	8	0.2
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	8	0.2
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	8	0.2
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	8	0.2
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	8	0.2
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	10	0.2
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	10	0.2
(4,2388)	1:141:A:VAL:HA	1:97:A:ILE:HG21	10	0.2
(4,2388)	1:141:A:VAL:HA	1:97:A:ILE:HG22	10	0.2
(4,2388)	1:141:A:VAL:HA	1:97:A:ILE:HG23	10	0.2
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	7	0.2
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	7	0.2
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	1	0.2
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	1	0.2
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	1	0.2
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	8	0.2
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	8	0.2
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	15	0.2
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	15	0.2
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	17	0.2
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	17	0.2
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	17	0.2
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	17	0.2
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG11	8	0.2
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG12	8	0.2
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG13	8	0.2
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG21	8	0.2
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG22	8	0.2
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG23	8	0.2
(4,2319)	1:97:A:ILE:HD11	1:91:A:PRO:HA	6	0.2
(4,2319)	1:97:A:ILE:HD12	1:91:A:PRO:HA	6	0.2
(4,2319)	1:97:A:ILE:HD13	1:91:A:PRO:HA	6	0.2
(4,2319)	1:97:A:ILE:HD11	1:91:A:PRO:HA	11	0.2
(4,2319)	1:97:A:ILE:HD12	1:91:A:PRO:HA	11	0.2
(4,2319)	1:97:A:ILE:HD13	1:91:A:PRO:HA	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	9	0.2
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	6	0.2
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	6	0.2
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	6	0.2
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	6	0.2
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	6	0.2
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	6	0.2
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	6	0.2
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	6	0.2
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	6	0.2
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	6	0.2
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	6	0.2
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	6	0.2
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	20	0.2
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	20	0.2
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	20	0.2
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	20	0.2
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	20	0.2
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	20	0.2
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	20	0.2
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	20	0.2
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	20	0.2
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	20	0.2
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	20	0.2
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	20	0.2
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	8	0.2
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB2	8	0.2
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB3	8	0.2
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB2	8	0.2
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB3	8	0.2
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB2	8	0.2
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB3	8	0.2
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB2	8	0.2
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB3	8	0.2
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB2	8	0.2
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB3	8	0.2
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB2	8	0.2
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB3	8	0.2
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD11	8	0.2
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD12	8	0.2
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD13	8	0.2
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD21	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD22	8	0.2
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD23	8	0.2
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD11	8	0.2
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD12	8	0.2
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD13	8	0.2
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD21	8	0.2
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD22	8	0.2
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD23	8	0.2
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	6	0.2
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	6	0.2
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	12	0.2
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	12	0.2
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	12	0.2
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	12	0.2
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	12	0.2
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	12	0.2
(4,2221)	1:16:A:LYS:HE2	1:79:A:THR:HB	1	0.2
(4,2221)	1:16:A:LYS:HE3	1:79:A:THR:HB	1	0.2
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB2	7	0.2
(4,2176)	1:77:A:LEU:H	1:77:A:LEU:HB3	7	0.2
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB2	7	0.2
(4,2175)	1:77:A:LEU:H	1:77:A:LEU:HB3	7	0.2
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	1	0.2
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	1	0.2
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	1	0.2
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	1	0.2
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	1	0.2
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	1	0.2
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	1	0.2
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	1	0.2
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	1	0.2
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	1	0.2
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	1	0.2
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	1	0.2
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	3	0.2
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	3	0.2
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	3	0.2
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	3	0.2
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	3	0.2
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	3	0.2
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	3	0.2
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	3	0.2
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	3	0.2
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	3	0.2
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	3	0.2
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	14	0.2
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	14	0.2
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	4	0.2
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	4	0.2
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	4	0.2
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	4	0.2
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	4	0.2
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	4	0.2
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	16	0.2
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	16	0.2
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	16	0.2
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	16	0.2
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	16	0.2
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	16	0.2
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	4	0.2
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	4	0.2
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	4	0.2
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	4	0.2
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	4	0.2
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	4	0.2
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	16	0.2
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	16	0.2
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	16	0.2
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	16	0.2
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	16	0.2
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	16	0.2
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	4	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	5	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	5	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	5	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	5	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	5	0.2
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	5	0.2
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	5	0.2
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	5	0.2
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	5	0.2
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	5	0.2
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	5	0.2
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	5	0.2
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	5	0.2
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	5	0.2
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	5	0.2
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	5	0.2
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	5	0.2
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	5	0.2
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	5	0.2
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	5	0.2
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	5	0.2
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	5	0.2
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	5	0.2
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	5	0.2
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	5	0.2
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	5	0.2
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	5	0.2
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	5	0.2
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	5	0.2
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	5	0.2
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	5	0.2
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	5	0.2
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	5	0.2
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	5	0.2
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	5	0.2
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	10	0.2
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	10	0.2
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	10	0.2
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	10	0.2
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	10	0.2
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	10	0.2
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	15	0.2
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	15	0.2
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	15	0.2
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	15	0.2
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	15	0.2
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	15	0.2
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	15	0.2
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	15	0.2
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	15	0.2
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	15	0.2
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	15	0.2
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	15	0.2
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	15	0.2
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	15	0.2
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	15	0.2
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	15	0.2
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	15	0.2
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	8	0.2
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	8	0.2
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	8	0.2
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	8	0.2
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	11	0.2
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	11	0.2
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	11	0.2
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	11	0.2
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB2	2	0.2
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB3	2	0.2
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB2	2	0.2
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB3	2	0.2
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	3	0.2
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	3	0.2
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	3	0.2
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	3	0.2
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	3	0.2
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	3	0.2
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	2	0.2
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	2	0.2
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	2	0.2
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	2	0.2
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	2	0.2
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	2	0.2
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	3	0.2
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	3	0.2
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	9	0.2
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	9	0.2
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	12	0.2
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	12	0.2
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	10	0.2
(4,2064)	1:71:A:PRO:HA	1:72:A:ILE:H	13	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	14	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	14	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	14	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	14	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	14	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	14	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	14	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	14	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	17	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	17	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	17	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	17	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	17	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	17	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	17	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	17	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	17	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	18	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	18	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	18	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	18	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	18	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	18	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	18	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	18	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	18	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	20	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	20	0.2
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	20	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	20	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	20	0.2
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	20	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	20	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	20	0.2
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	20	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	1	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	1	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	1	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	1	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	3	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	3	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	3	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	3	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	4	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	4	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	4	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	5	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	5	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	5	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	5	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	8	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	8	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	8	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	8	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	10	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	10	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	10	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	10	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	11	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	11	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	11	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	11	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	12	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	12	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	12	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	12	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	13	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	13	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	13	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	13	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	14	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	14	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	14	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	14	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	15	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	15	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	15	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	15	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	16	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	16	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	16	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	16	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	18	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	18	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	18	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	20	0.2
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	20	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	20	0.2
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	20	0.2
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	6	0.2
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	6	0.2
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	6	0.2
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	6	0.2
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	6	0.2
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	6	0.2
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	12	0.2
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	12	0.2
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	12	0.2
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	12	0.2
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	12	0.2
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	12	0.2
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	14	0.2
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	14	0.2
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	18	0.2
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	18	0.2
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	7	0.2
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	7	0.2
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	7	0.2
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	7	0.2
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	7	0.2
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	7	0.2
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	14	0.2
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	14	0.2
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	14	0.2
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	14	0.2
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	14	0.2
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	14	0.2
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	17	0.2
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	17	0.2
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	17	0.2
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	17	0.2
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	17	0.2
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	17	0.2
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	18	0.2
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	18	0.2
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	18	0.2
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	18	0.2
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	18	0.2
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	2	0.2
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	2	0.2
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	2	0.2
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	2	0.2
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	2	0.2
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	2	0.2
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	2	0.2
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	2	0.2
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	2	0.2
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	2	0.2
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	2	0.2
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	2	0.2
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	6	0.2
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	6	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	2	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	2	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	4	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	4	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	12	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	12	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	13	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	13	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	15	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	15	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	20	0.2
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	20	0.2
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	7	0.2
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	14	0.2
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	18	0.2
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	11	0.2
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	11	0.2
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	11	0.2
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	16	0.2
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	16	0.2
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	16	0.2
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	16	0.2
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	16	0.2
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	16	0.2
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	16	0.2
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	16	0.2
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	16	0.2
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	16	0.2
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	16	0.2
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	16	0.2
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	16	0.2
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	16	0.2
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	16	0.2
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	16	0.2
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	16	0.2
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	1	0.2
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	1	0.2
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	1	0.2
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	1	0.2
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	1	0.2
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	1	0.2
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	1	0.2
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	1	0.2
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	1	0.2
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD11	15	0.2
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD12	15	0.2
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD13	15	0.2
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD11	15	0.2
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD12	15	0.2
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD13	15	0.2
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD11	15	0.2
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD12	15	0.2
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD13	15	0.2
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	1	0.2
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	1	0.2
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	1	0.2
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	1	0.2
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	1	0.2
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	1	0.2
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	13	0.2
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	19	0.2
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG2	2	0.2
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG3	2	0.2
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	5	0.2
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	5	0.2
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	5	0.2
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	3	0.2
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	3	0.2
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	3	0.2
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	3	0.2
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	3	0.2
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	3	0.2
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	5	0.2
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	5	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	8	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	8	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	8	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	8	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	10	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	10	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	10	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	10	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	20	0.2
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	20	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	20	0.2
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	20	0.2
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	11	0.2
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	11	0.2
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	11	0.2
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	11	0.2
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	12	0.2
(4,1627)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	12	0.2
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	12	0.2
(4,1627)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	12	0.2
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB2	12	0.2
(4,1626)	1:32:A:TYR:HD1	1:32:A:TYR:HB3	12	0.2
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB2	12	0.2
(4,1626)	1:32:A:TYR:HD2	1:32:A:TYR:HB3	12	0.2
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	5	0.2
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	5	0.2
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	10	0.2
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	10	0.2
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	10	0.2
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	16	0.2
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	16	0.2
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	16	0.2
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	1	0.2
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	1	0.2
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	1	0.2
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	1	0.2
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	1	0.2
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	9	0.2
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	9	0.2
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	9	0.2
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	9	0.2
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	9	0.2
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	9	0.2
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	2	0.2
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	2	0.2
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	2	0.2
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	2	0.2
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	2	0.2
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	2	0.2
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	11	0.2
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	11	0.2
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	11	0.2
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	11	0.2
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	11	0.2
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	11	0.2
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	18	0.2
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	18	0.2
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	18	0.2
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	18	0.2
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	18	0.2
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	18	0.2
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	18	0.2
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	18	0.2
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	18	0.2
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	18	0.2
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	18	0.2
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	18	0.2
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	20	0.2
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	20	0.2
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	20	0.2
(4,1542)	1:125:A:LEU:HG	1:28:A:VAL:HA	14	0.2
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	16	0.2
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	16	0.2
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	16	0.2
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	16	0.2
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	16	0.2
(4,1484)	1:24:A:GLU:HG2	1:23:A:ARG:HB2	20	0.2
(4,1484)	1:24:A:GLU:HG2	1:23:A:ARG:HB3	20	0.2
(4,1484)	1:24:A:GLU:HG3	1:23:A:ARG:HB2	20	0.2
(4,1484)	1:24:A:GLU:HG3	1:23:A:ARG:HB3	20	0.2
(4,1483)	1:23:A:ARG:HB2	1:24:A:GLU:HG2	20	0.2
(4,1483)	1:23:A:ARG:HB2	1:24:A:GLU:HG3	20	0.2
(4,1483)	1:23:A:ARG:HB3	1:24:A:GLU:HG2	20	0.2
(4,1483)	1:23:A:ARG:HB3	1:24:A:GLU:HG3	20	0.2
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	18	0.2
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	18	0.2
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	18	0.2
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	18	0.2
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	15	0.2
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	15	0.2
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	15	0.2
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	15	0.2
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	15	0.2
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	15	0.2
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	19	0.2
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	19	0.2
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	19	0.2
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	19	0.2
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	20	0.2
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	20	0.2
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	20	0.2
(4,1431)	1:97:A:ILE:HD11	1:91:A:PRO:HG2	10	0.2
(4,1431)	1:97:A:ILE:HD12	1:91:A:PRO:HG2	10	0.2
(4,1431)	1:97:A:ILE:HD13	1:91:A:PRO:HG2	10	0.2
(4,1403)	1:24:A:GLU:HG2	1:20:A:LEU:HB2	7	0.2
(4,1403)	1:24:A:GLU:HG2	1:20:A:LEU:HB3	7	0.2
(4,1403)	1:24:A:GLU:HG3	1:20:A:LEU:HB2	7	0.2
(4,1403)	1:24:A:GLU:HG3	1:20:A:LEU:HB3	7	0.2
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	4	0.2
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	9	0.2
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	9	0.2
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	9	0.2
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	9	0.2
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	2	0.2
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	2	0.2
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	2	0.2
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	2	0.2
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	2	0.2
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	6	0.2
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	6	0.2
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	6	0.2
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	6	0.2
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	6	0.2
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	6	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	11	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	11	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	11	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	11	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	11	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	11	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	11	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	11	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	11	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	11	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	11	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	11	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	13	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	13	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	13	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	13	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	13	0.2
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	13	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	13	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	13	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	13	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	13	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	13	0.2
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	13	0.2
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	6	0.2
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	6	0.2
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	6	0.2
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	6	0.2
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	6	0.2
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	6	0.2
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	10	0.2
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	10	0.2
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	10	0.2
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	7	0.2
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	7	0.2
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	11	0.2
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	11	0.2
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	14	0.2
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	14	0.2
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	3	0.2
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	3	0.2
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	3	0.2
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	3	0.2
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	3	0.2
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	3	0.2
(4,1256)	1:7:A:GLN:HG2	1:10:A:LYS:HA	7	0.2
(4,1256)	1:7:A:GLN:HG3	1:10:A:LYS:HA	7	0.2
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	16	0.2
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	16	0.2
(4,1225)	1:9:A:LYS:HD2	1:8:A:LEU:HB2	10	0.2
(4,1225)	1:9:A:LYS:HD2	1:8:A:LEU:HB3	10	0.2
(4,1225)	1:9:A:LYS:HD3	1:8:A:LEU:HB2	10	0.2
(4,1225)	1:9:A:LYS:HD3	1:8:A:LEU:HB3	10	0.2
(4,1209)	1:10:A:LYS:HG2	1:7:A:GLN:HG2	17	0.2
(4,1209)	1:10:A:LYS:HG2	1:7:A:GLN:HG3	17	0.2
(4,1209)	1:10:A:LYS:HG3	1:7:A:GLN:HG2	17	0.2
(4,1209)	1:10:A:LYS:HG3	1:7:A:GLN:HG3	17	0.2
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	2	0.2
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	2	0.2
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	20	0.2
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	20	0.2
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	6	0.2
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	6	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	2	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	2	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	5	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	5	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	11	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	11	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	17	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	17	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	19	0.2
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	2	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	2	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	5	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	5	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	11	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	11	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	17	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	17	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	19	0.2
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	19	0.2
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	3	0.2
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	3	0.2
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	3	0.2
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	3	0.2
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	3	0.2
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	3	0.2
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	3	0.2
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	3	0.2
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	3	0.2
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	1	0.2
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	1	0.2
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	19	0.2
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	19	0.2
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	10	0.2
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	10	0.2
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	18	0.2
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	18	0.2
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	10	0.2
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	10	0.2
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	18	0.2
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	18	0.2
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	7	0.2
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	7	0.2
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	7	0.2
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	7	0.2
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	7	0.2
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	7	0.2
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	7	0.2
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	7	0.2
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	7	0.2
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	7	0.2
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	7	0.2
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	19	0.2
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	19	0.2
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	19	0.2
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	19	0.2
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	19	0.2
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	19	0.2
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	19	0.2
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	19	0.2
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	19	0.2
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	19	0.2
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	19	0.2
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	19	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	7	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	7	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	7	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	7	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	7	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	7	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	7	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	7	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	7	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	7	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	7	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	7	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	19	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	19	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	19	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	19	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	19	0.2
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	19	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	19	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	19	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	19	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	19	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	19	0.2
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	19	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD11	19	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD12	19	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD13	19	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD21	19	0.2
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD22	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD23	19	0.2
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	2	0.2
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	2	0.2
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	13	0.2
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	13	0.2
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	16	0.2
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	16	0.2
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	16	0.2
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	16	0.2
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	16	0.2
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	16	0.2
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	16	0.2
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	16	0.2
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	16	0.2
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	16	0.2
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	16	0.2
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	16	0.2
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	19	0.2
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	19	0.2
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	19	0.2
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	19	0.2
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	19	0.2
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	19	0.2
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	19	0.2
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	19	0.2
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	19	0.2
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	19	0.2
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	19	0.2
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	19	0.2
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	16	0.2
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	16	0.2
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	16	0.2
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	16	0.2
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	16	0.2
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	16	0.2
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	16	0.2
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	16	0.2
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	16	0.2
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	16	0.2
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	16	0.2
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	16	0.2
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	19	0.2
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	19	0.2
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	19	0.2
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	19	0.2
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	19	0.2
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	19	0.2
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	19	0.2
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	19	0.2
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	19	0.2
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	19	0.2
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	19	0.2
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	16	0.2
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	16	0.2
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	16	0.2
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	16	0.2
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	3	0.2
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	3	0.2
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	11	0.2
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	11	0.2
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	8	0.2
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	8	0.2
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	8	0.2
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	8	0.2
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	14	0.2
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	14	0.2
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	14	0.2
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	14	0.2
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	1	0.2
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	1	0.2
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	1	0.2
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	1	0.2
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	17	0.2
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	17	0.2
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	17	0.2
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	17	0.2
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	17	0.2
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	17	0.2
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	18	0.2
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	18	0.2
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	18	0.2
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	18	0.2
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	18	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	1	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	4	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	5	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	8	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	9	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	10	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	11	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	12	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	13	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	15	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	16	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	18	0.2
(4,836)	1:97:A:ILE:HG12	1:97:A:ILE:HG13	19	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	3	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	3	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	3	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	3	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	3	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	3	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	10	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	10	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	10	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	10	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	10	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	10	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	11	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	11	0.2
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	11	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	11	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	11	0.2
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	11	0.2
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	7	0.2
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	7	0.2
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	7	0.2
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	7	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	1	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	1	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	4	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	4	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	6	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	11	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	11	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	15	0.2
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	15	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	1	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	1	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	4	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	4	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	6	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	6	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	11	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	11	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	15	0.2
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	15	0.2
(4,786)	1:92:A:THR:HG21	1:92:A:THR:HA	17	0.2
(4,786)	1:92:A:THR:HG22	1:92:A:THR:HA	17	0.2
(4,786)	1:92:A:THR:HG23	1:92:A:THR:HA	17	0.2
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	19	0.2
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	19	0.2
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	19	0.2
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	19	0.2
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	19	0.2
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	19	0.2
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	19	0.2
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	19	0.2
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	1	0.2
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	1	0.2
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	1	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	2	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	2	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	2	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	4	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	4	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	4	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	7	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	7	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	7	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	8	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	8	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	8	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	14	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	14	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	15	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	15	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	15	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	18	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	18	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	18	0.2
(4,729)	1:72:A:ILE:HD11	1:72:A:ILE:HB	20	0.2
(4,729)	1:72:A:ILE:HD12	1:72:A:ILE:HB	20	0.2
(4,729)	1:72:A:ILE:HD13	1:72:A:ILE:HB	20	0.2
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	17	0.2
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	17	0.2
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	17	0.2
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	17	0.2
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	4	0.2
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	4	0.2
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	19	0.2
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	19	0.2
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	12	0.2
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	12	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	9	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	9	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	9	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	9	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	9	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	9	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	13	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	13	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	13	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	13	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	13	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	13	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	14	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	14	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	14	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	14	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	14	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	14	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	18	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	18	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	18	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	18	0.2
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	18	0.2
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	14	0.2
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	14	0.2
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	14	0.2
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	14	0.2
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	14	0.2
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	14	0.2
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	14	0.2
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	14	0.2
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	14	0.2
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	14	0.2
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	14	0.2
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	14	0.2
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	1	0.2
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	1	0.2
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	1	0.2
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	1	0.2
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	1	0.2
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	1	0.2
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	1	0.2
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	1	0.2
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	12	0.2
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	12	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	17	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	17	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	17	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	17	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	17	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	17	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	20	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	20	0.2
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	20	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	20	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	20	0.2
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	20	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	17	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	17	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	17	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	17	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	17	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	20	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	20	0.2
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	20	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	20	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	20	0.2
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	20	0.2
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	17	0.2
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	17	0.2
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	17	0.2
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	17	0.2
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	17	0.2
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	17	0.2
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	20	0.2
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	20	0.2
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	20	0.2
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	20	0.2
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	20	0.2
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	20	0.2
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	8	0.2
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	8	0.2
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	8	0.2
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	1	0.2
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	1	0.2
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	7	0.2
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	7	0.2
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	10	0.2
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	10	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	2	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	2	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	8	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	8	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	16	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	16	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	18	0.2
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	18	0.2
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG2	6	0.2
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG3	6	0.2
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG2	14	0.2
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG3	14	0.2
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	17	0.2
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	17	0.2
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	17	0.2
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	17	0.2
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	17	0.2
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB2	13	0.2
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB3	13	0.2
(4,329)	1:24:A:GLU:HB2	1:24:A:GLU:HA	13	0.2
(4,329)	1:24:A:GLU:HB3	1:24:A:GLU:HA	13	0.2
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	3	0.2
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	3	0.2
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	3	0.2
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	3	0.2
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	3	0.2
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	15	0.2
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	15	0.2
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	15	0.2
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	15	0.2
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	12	0.2
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	12	0.2
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	12	0.2
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	12	0.2
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	12	0.2
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	12	0.2
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	19	0.2
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	19	0.2
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	19	0.2
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	19	0.2
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	19	0.2
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	19	0.2
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	9	0.2
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	9	0.2
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	9	0.2
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	9	0.2
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	5	0.2
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	5	0.2
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	18	0.2
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	18	0.2
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	11	0.2
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	11	0.2
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	12	0.2
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	12	0.2
(4,215)	1:11:A:MET:HG3	1:11:A:MET:HG2	1	0.2
(4,213)	1:11:A:MET:HG2	1:11:A:MET:HG3	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	14	0.2
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	14	0.2
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	14	0.2
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	14	0.2
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	3	0.2
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	3	0.2
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	3	0.2
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	12	0.2
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	12	0.2
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	12	0.2
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	12	0.2
(4,67)	1:116:A:GLU:HG2	1:116:A:GLU:HA	18	0.2
(4,67)	1:116:A:GLU:HG3	1:116:A:GLU:HA	18	0.2
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	13	0.2
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	13	0.2
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	13	0.2
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	13	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	1	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	1	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	1	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	1	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	1	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	1	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	1	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	1	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	1	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	1	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	1	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	1	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	20	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	20	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	20	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	20	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	20	0.2
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	20	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	20	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	20	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	20	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	20	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	20	0.2
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	20	0.2
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	13	0.2
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	13	0.2
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	13	0.2
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	13	0.2
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	13	0.2
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	4	0.2
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	4	0.2
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	15	0.2
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	15	0.2
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	4	0.2
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	4	0.2
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	4	0.2
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	4	0.2
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	4	0.2
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	4	0.2
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	4	0.2
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	4	0.2
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	4	0.2
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	18	0.2
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	18	0.2
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	18	0.2
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	18	0.2
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	18	0.2
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	18	0.2
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	18	0.2
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	18	0.2
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	18	0.2
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	12	0.2
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	12	0.2
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	12	0.2
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	12	0.2
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	12	0.2
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	12	0.2
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	1	0.2
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	19	0.2
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	18	0.2
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	4	0.19
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	4	0.19
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	10	0.19
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	10	0.19
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	16	0.19
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	17	0.19
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	17	0.19
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	16	0.19
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	16	0.19
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	6	0.19
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	6	0.19
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	6	0.19
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	6	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	2	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	2	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	2	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	2	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	3	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	3	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	3	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	3	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	6	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	6	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	6	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	6	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	10	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	10	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	10	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	10	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	15	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	15	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	15	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	15	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	16	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	16	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	16	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	16	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	17	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	17	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	17	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	17	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD1	18	0.19
(8,51)	1:113:A:TYR:HE1	1:113:A:TYR:HD2	18	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD1	18	0.19
(8,51)	1:113:A:TYR:HE2	1:113:A:TYR:HD2	18	0.19
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	12	0.19
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	16	0.19
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	16	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	1	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	1	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	2	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	2	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	6	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	6	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	8	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	8	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	12	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	12	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	15	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	15	0.19
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	20	0.19
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	20	0.19
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	7	0.19
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	7	0.19
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	7	0.19
(6,1335)	1:56:A:THR:HG21	1:57:A:GLY:H	17	0.19
(6,1335)	1:56:A:THR:HG22	1:57:A:GLY:H	17	0.19
(6,1335)	1:56:A:THR:HG23	1:57:A:GLY:H	17	0.19
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	8	0.19
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	8	0.19
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	16	0.19
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	16	0.19
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	8	0.19
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	8	0.19
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	8	0.19
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	8	0.19
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	8	0.19
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	8	0.19
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	8	0.19
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	8	0.19
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	8	0.19
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	8	0.19
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	8	0.19
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	8	0.19
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	13	0.19
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	13	0.19
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	13	0.19
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	18	0.19
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	18	0.19
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	18	0.19
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	18	0.19
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	4	0.19
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	4	0.19
(6,1245)	1:10:A:LYS:HD2	1:10:A:LYS:H	14	0.19
(6,1245)	1:10:A:LYS:HD3	1:10:A:LYS:H	14	0.19
(6,1245)	1:10:A:LYS:HD2	1:10:A:LYS:H	16	0.19
(6,1245)	1:10:A:LYS:HD3	1:10:A:LYS:H	16	0.19
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	20	0.19
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	20	0.19
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	20	0.19
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	20	0.19
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	20	0.19
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	20	0.19
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	5	0.19
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	5	0.19
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	16	0.19
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	16	0.19
(6,1228)	1:97:A:ILE:HB	1:99:A:THR:H	3	0.19
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	6	0.19
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	6	0.19
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	9	0.19
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	18	0.19
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	2	0.19
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	2	0.19
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	6	0.19
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	8	0.19
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	9	0.19
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	13	0.19
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	16	0.19
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	17	0.19
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	9	0.19
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	12	0.19
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	12	0.19
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	12	0.19
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	12	0.19
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	12	0.19
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	12	0.19
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	10	0.19
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	15	0.19
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	16	0.19
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	3	0.19
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	8	0.19
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	8	0.19
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	14	0.19
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	14	0.19
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	9	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	9	0.19
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	12	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	12	0.19
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	14	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	14	0.19
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	15	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	15	0.19
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	17	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	17	0.19
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	20	0.19
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	20	0.19
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	4	0.19
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	8	0.19
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	16	0.19
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	17	0.19
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	1	0.19
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	8	0.19
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	2	0.19
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	2	0.19
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	4	0.19
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	4	0.19
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	8	0.19
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	8	0.19
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	2	0.19
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	2	0.19
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	4	0.19
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	4	0.19
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	8	0.19
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	8	0.19
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	14	0.19
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	14	0.19
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	17	0.19
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	17	0.19
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	13	0.19
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	13	0.19
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	16	0.19
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	16	0.19
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	16	0.19
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	9	0.19
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	9	0.19
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.19
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.19
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	20	0.19
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	20	0.19
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	16	0.19
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	16	0.19
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	16	0.19
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	16	0.19
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	16	0.19
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	16	0.19
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	17	0.19
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	17	0.19
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	17	0.19
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	17	0.19
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	17	0.19
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	17	0.19
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	3	0.19
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	3	0.19
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	10	0.19
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	10	0.19
(6,717)	1:89:A:VAL:HB	1:90:A:LYS:H	17	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	7	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	7	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	13	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	13	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	15	0.19
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	15	0.19
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	2	0.19
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	2	0.19
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	5	0.19
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	5	0.19
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	6	0.19
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	8	0.19
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	10	0.19
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	17	0.19
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	13	0.19
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	4	0.19
(6,669)	1:97:A:ILE:HA	1:98:A:LYS:H	20	0.19
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	20	0.19
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	20	0.19
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	20	0.19
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	20	0.19
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	20	0.19
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	8	0.19
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	10	0.19
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	2	0.19
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	2	0.19
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	16	0.19
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	16	0.19
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	8	0.19
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	8	0.19
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	17	0.19
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	20	0.19
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG2	3	0.19
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG3	3	0.19
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	10	0.19
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	10	0.19
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	6	0.19
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	18	0.19
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	14	0.19
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	14	0.19
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	14	0.19
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	14	0.19
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	14	0.19
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	14	0.19
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	16	0.19
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	16	0.19
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	9	0.19
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	9	0.19
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	10	0.19
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	10	0.19
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	18	0.19
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	18	0.19
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	7	0.19
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	7	0.19
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	11	0.19
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	16	0.19
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	16	0.19
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	5	0.19
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	4	0.19
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	4	0.19
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	20	0.19
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	20	0.19
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	7	0.19
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	7	0.19
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	3	0.19
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	3	0.19
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	14	0.19
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	14	0.19
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	18	0.19
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	19	0.19
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	2	0.19
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	2	0.19
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	5	0.19
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	5	0.19
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	9	0.19
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	9	0.19
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	15	0.19
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	15	0.19
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	11	0.19
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	11	0.19
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	16	0.19
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	16	0.19
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	6	0.19
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	6	0.19
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	7	0.19
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	7	0.19
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	15	0.19
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	15	0.19
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	7	0.19
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	7	0.19
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	15	0.19
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	15	0.19
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	3	0.19
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	3	0.19
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	4	0.19
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	13	0.19
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	13	0.19
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	15	0.19
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	15	0.19
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	20	0.19
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	20	0.19
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	11	0.19
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	11	0.19
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	10	0.19
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	10	0.19
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	11	0.19
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	11	0.19
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	18	0.19
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	18	0.19
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD2	5	0.19
(6,148)	1:15:A:TYR:H	1:50:A:ARG:HD3	5	0.19
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	7	0.19
(6,143)	1:15:A:TYR:H	1:18:A:ARG:H	9	0.19
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	12	0.19
(6,138)	1:50:A:ARG:HG2	1:14:A:LYS:H	13	0.19
(6,138)	1:50:A:ARG:HG3	1:14:A:LYS:H	13	0.19
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	17	0.19
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	17	0.19
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	14	0.19
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	16	0.19
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	17	0.19
(6,109)	1:11:A:MET:HG2	1:12:A:VAL:H	10	0.19
(6,109)	1:11:A:MET:HG3	1:12:A:VAL:H	10	0.19
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	8	0.19
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	12	0.19
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	12	0.19
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	12	0.19
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	12	0.19
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	12	0.19
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	12	0.19
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	12	0.19
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	12	0.19
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	12	0.19
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	12	0.19
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	12	0.19
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	12	0.19
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	12	0.19
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	12	0.19
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	12	0.19
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	12	0.19
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	20	0.19
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	20	0.19
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	20	0.19
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	20	0.19
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	20	0.19
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	20	0.19
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	12	0.19
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	12	0.19
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	12	0.19
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	12	0.19
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	6	0.19
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	6	0.19
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	14	0.19
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	14	0.19
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	6	0.19
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	6	0.19
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	14	0.19
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	14	0.19
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	16	0.19
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	16	0.19
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	16	0.19
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	16	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	3	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	3	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	3	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	9	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	9	0.19
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	9	0.19
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	18	0.19
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	18	0.19
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	18	0.19
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	18	0.19
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	5	0.19
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	5	0.19
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	5	0.19
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	5	0.19
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	5	0.19
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	8	0.19
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	8	0.19
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	8	0.19
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	8	0.19
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	7	0.19
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	7	0.19
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	7	0.19
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	7	0.19
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	7	0.19
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	7	0.19
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	7	0.19
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	7	0.19
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	7	0.19
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	7	0.19
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	7	0.19
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	7	0.19
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	5	0.19
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	5	0.19
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	6	0.19
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	6	0.19
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	15	0.19
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	15	0.19
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	15	0.19
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	15	0.19
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	15	0.19
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	15	0.19
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	12	0.19
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	12	0.19
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	10	0.19
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	10	0.19
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	8	0.19
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	8	0.19
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	1	0.19
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	1	0.19
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	14	0.19
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	14	0.19
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	9	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	11	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	11	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	11	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	14	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	14	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	18	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	18	0.19
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	18	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	2	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	2	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	2	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	2	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	2	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	2	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	2	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	2	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	2	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	4	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	4	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	4	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	4	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	4	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	4	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	4	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	4	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	4	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	5	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	5	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	5	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	5	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	5	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	5	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	5	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	5	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	5	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	10	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	10	0.19
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	10	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	10	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	10	0.19
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	10	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	10	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	10	0.19
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	10	0.19
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	20	0.19
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	20	0.19
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	20	0.19
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	20	0.19
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	20	0.19
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	2	0.19
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	13	0.19
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	13	0.19
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	13	0.19
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	18	0.19
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	18	0.19
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	18	0.19
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	9	0.19
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	9	0.19
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	9	0.19
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	9	0.19
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	9	0.19
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	9	0.19
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	9	0.19
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	9	0.19
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	9	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	7	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	7	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	7	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	7	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	7	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	7	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	7	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	7	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	7	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	19	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	19	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	19	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	19	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	19	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	19	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	19	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	19	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	19	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	20	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	20	0.19
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	20	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	20	0.19
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	20	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	20	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	20	0.19
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	20	0.19
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB2	15	0.19
(4,2766)	1:131:A:MET:H	1:131:A:MET:HB3	15	0.19
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB2	15	0.19
(4,2765)	1:131:A:MET:H	1:131:A:MET:HB3	15	0.19
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	10	0.19
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	10	0.19
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	10	0.19
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	10	0.19
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	10	0.19
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	10	0.19
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	14	0.19
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	14	0.19
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	14	0.19
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	14	0.19
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	14	0.19
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	14	0.19
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	3	0.19
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	3	0.19
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	3	0.19
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	3	0.19
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	14	0.19
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	14	0.19
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	14	0.19
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	14	0.19
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	3	0.19
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	6	0.19
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	9	0.19
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	14	0.19
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	20	0.19
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	20	0.19
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	20	0.19
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	20	0.19
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	20	0.19
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	20	0.19
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	20	0.19
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	20	0.19
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	20	0.19
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	20	0.19
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	20	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	1	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	1	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	2	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	2	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	3	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	3	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	6	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	6	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	15	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	15	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	18	0.19
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	18	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	1	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	1	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	2	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	2	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	3	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	3	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	6	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	6	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	15	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	15	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	18	0.19
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	18	0.19
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	14	0.19
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	14	0.19
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	2	0.19
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	2	0.19
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	5	0.19
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	5	0.19
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	14	0.19
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	14	0.19
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	4	0.19
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	4	0.19
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	4	0.19
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	4	0.19
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	6	0.19
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	6	0.19
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	6	0.19
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	18	0.19
(4,2596)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	18	0.19
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	18	0.19
(4,2596)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	18	0.19
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	7	0.19
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	7	0.19
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	18	0.19
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	18	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	7	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	7	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	7	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	7	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	7	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	7	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	7	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	7	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	7	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	7	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	7	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	7	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	9	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	9	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	9	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	9	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	9	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	9	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	9	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	9	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	9	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	9	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	9	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	9	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	12	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	12	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	12	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	12	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	12	0.19
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	12	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	12	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	12	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	12	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	12	0.19
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	12	0.19
(4,2522)	1:116:A:GLU:HG2	1:113:A:TYR:HA	16	0.19
(4,2522)	1:116:A:GLU:HG3	1:113:A:TYR:HA	16	0.19
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	10	0.19
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	10	0.19
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	10	0.19
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	10	0.19
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	16	0.19
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	16	0.19
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	16	0.19
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	16	0.19
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	16	0.19
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	16	0.19
(4,2449)	1:109:A:ILE:HG12	1:109:A:ILE:HB	18	0.19
(4,2449)	1:109:A:ILE:HG13	1:109:A:ILE:HB	18	0.19
(4,2448)	1:109:A:ILE:HG12	1:109:A:ILE:HB	18	0.19
(4,2448)	1:109:A:ILE:HG13	1:109:A:ILE:HB	18	0.19
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	5	0.19
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	5	0.19
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	4	0.19
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	4	0.19
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD1	12	0.19
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD2	12	0.19
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD1	12	0.19
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD2	12	0.19
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	3	0.19
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	3	0.19
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	3	0.19
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	3	0.19
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	3	0.19
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	3	0.19
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	3	0.19
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	3	0.19
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	3	0.19
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	3	0.19
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	3	0.19
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	3	0.19
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	17	0.19
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	17	0.19
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	17	0.19
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	17	0.19
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	17	0.19
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	17	0.19
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	17	0.19
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	17	0.19
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	17	0.19
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	17	0.19
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	17	0.19
(4,2403)	1:111:A:LEU:HD21	1:102:A:HIS:HA	20	0.19
(4,2403)	1:111:A:LEU:HD22	1:102:A:HIS:HA	20	0.19
(4,2403)	1:111:A:LEU:HD23	1:102:A:HIS:HA	20	0.19
(4,2398)	1:105:A:ALA:HA	1:99:A:THR:HB	4	0.19
(4,2389)	1:97:A:ILE:HD11	1:89:A:VAL:HB	8	0.19
(4,2389)	1:97:A:ILE:HD12	1:89:A:VAL:HB	8	0.19
(4,2389)	1:97:A:ILE:HD13	1:89:A:VAL:HB	8	0.19
(4,2380)	1:142:A:PHE:HE1	1:96:A:THR:HG21	11	0.19
(4,2380)	1:142:A:PHE:HE1	1:96:A:THR:HG22	11	0.19
(4,2380)	1:142:A:PHE:HE1	1:96:A:THR:HG23	11	0.19
(4,2380)	1:142:A:PHE:HE2	1:96:A:THR:HG21	11	0.19
(4,2380)	1:142:A:PHE:HE2	1:96:A:THR:HG22	11	0.19
(4,2380)	1:142:A:PHE:HE2	1:96:A:THR:HG23	11	0.19
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	6	0.19
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	6	0.19
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	6	0.19
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	6	0.19
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	6	0.19
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	6	0.19
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG21	18	0.19
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG22	18	0.19
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG23	18	0.19
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG21	18	0.19
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG22	18	0.19
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG23	18	0.19
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG21	18	0.19
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG22	18	0.19
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG23	18	0.19
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	12	0.19
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	12	0.19
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	20	0.19
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	20	0.19
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE1	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE2	8	0.19
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE3	8	0.19
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE1	8	0.19
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE2	8	0.19
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE3	8	0.19
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE1	16	0.19
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE2	16	0.19
(4,2353)	1:95:A:MET:HG2	1:95:A:MET:HE3	16	0.19
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE1	16	0.19
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE2	16	0.19
(4,2353)	1:95:A:MET:HG3	1:95:A:MET:HE3	16	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	9	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	9	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	9	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	9	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	9	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	9	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	10	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	10	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	10	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	10	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	10	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	10	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	18	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	18	0.19
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	18	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	18	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	18	0.19
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	18	0.19
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	10	0.19
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	6	0.19
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	6	0.19
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	10	0.19
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	10	0.19
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	18	0.19
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	18	0.19
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG11	18	0.19
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG12	18	0.19
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG13	18	0.19
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG21	18	0.19
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG22	18	0.19
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG23	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2315)	1:89:A:VAL:HG11	1:141:A:VAL:HG11	17	0.19
(4,2315)	1:89:A:VAL:HG11	1:141:A:VAL:HG12	17	0.19
(4,2315)	1:89:A:VAL:HG11	1:141:A:VAL:HG13	17	0.19
(4,2315)	1:89:A:VAL:HG11	1:141:A:VAL:HG21	17	0.19
(4,2315)	1:89:A:VAL:HG11	1:141:A:VAL:HG22	17	0.19
(4,2315)	1:89:A:VAL:HG11	1:141:A:VAL:HG23	17	0.19
(4,2315)	1:89:A:VAL:HG12	1:141:A:VAL:HG11	17	0.19
(4,2315)	1:89:A:VAL:HG12	1:141:A:VAL:HG12	17	0.19
(4,2315)	1:89:A:VAL:HG12	1:141:A:VAL:HG13	17	0.19
(4,2315)	1:89:A:VAL:HG12	1:141:A:VAL:HG21	17	0.19
(4,2315)	1:89:A:VAL:HG12	1:141:A:VAL:HG22	17	0.19
(4,2315)	1:89:A:VAL:HG12	1:141:A:VAL:HG23	17	0.19
(4,2315)	1:89:A:VAL:HG13	1:141:A:VAL:HG11	17	0.19
(4,2315)	1:89:A:VAL:HG13	1:141:A:VAL:HG12	17	0.19
(4,2315)	1:89:A:VAL:HG13	1:141:A:VAL:HG13	17	0.19
(4,2315)	1:89:A:VAL:HG13	1:141:A:VAL:HG21	17	0.19
(4,2315)	1:89:A:VAL:HG13	1:141:A:VAL:HG22	17	0.19
(4,2315)	1:89:A:VAL:HG13	1:141:A:VAL:HG23	17	0.19
(4,2315)	1:89:A:VAL:HG21	1:141:A:VAL:HG11	17	0.19
(4,2315)	1:89:A:VAL:HG21	1:141:A:VAL:HG12	17	0.19
(4,2315)	1:89:A:VAL:HG21	1:141:A:VAL:HG13	17	0.19
(4,2315)	1:89:A:VAL:HG21	1:141:A:VAL:HG21	17	0.19
(4,2315)	1:89:A:VAL:HG21	1:141:A:VAL:HG22	17	0.19
(4,2315)	1:89:A:VAL:HG21	1:141:A:VAL:HG23	17	0.19
(4,2315)	1:89:A:VAL:HG22	1:141:A:VAL:HG11	17	0.19
(4,2315)	1:89:A:VAL:HG22	1:141:A:VAL:HG12	17	0.19
(4,2315)	1:89:A:VAL:HG22	1:141:A:VAL:HG13	17	0.19
(4,2315)	1:89:A:VAL:HG22	1:141:A:VAL:HG21	17	0.19
(4,2315)	1:89:A:VAL:HG22	1:141:A:VAL:HG22	17	0.19
(4,2315)	1:89:A:VAL:HG22	1:141:A:VAL:HG23	17	0.19
(4,2315)	1:89:A:VAL:HG23	1:141:A:VAL:HG11	17	0.19
(4,2315)	1:89:A:VAL:HG23	1:141:A:VAL:HG12	17	0.19
(4,2315)	1:89:A:VAL:HG23	1:141:A:VAL:HG13	17	0.19
(4,2315)	1:89:A:VAL:HG23	1:141:A:VAL:HG21	17	0.19
(4,2315)	1:89:A:VAL:HG23	1:141:A:VAL:HG22	17	0.19
(4,2315)	1:89:A:VAL:HG23	1:141:A:VAL:HG23	17	0.19
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB2	6	0.19
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB3	6	0.19
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB2	6	0.19
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB3	6	0.19
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB2	6	0.19
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	1	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	1	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	1	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	1	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	17	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	17	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	17	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	17	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	20	0.19
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	20	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	20	0.19
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	20	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	1	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	1	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	1	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	1	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	17	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	17	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	17	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	17	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	20	0.19
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	20	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	20	0.19
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	20	0.19
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	1	0.19
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	1	0.19
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	1	0.19
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	1	0.19
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	12	0.19
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	12	0.19
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	12	0.19
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	12	0.19
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	20	0.19
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	20	0.19
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	20	0.19
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	20	0.19
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	11	0.19
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	11	0.19
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	1	0.19
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	1	0.19
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	1	0.19
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	16	0.19
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD11	16	0.19
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD12	16	0.19
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD13	16	0.19
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD21	16	0.19
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD22	16	0.19
(4,2212)	1:79:A:THR:HA	1:77:A:LEU:HD23	16	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	1	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	1	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	1	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	1	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	1	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	1	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	6	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	6	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	6	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	6	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	6	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	6	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	7	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	7	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	7	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	7	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	7	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	7	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	11	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	11	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	11	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	11	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	11	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	11	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	15	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	15	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	15	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	15	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	15	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	15	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	16	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	16	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	16	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	16	0.19
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	16	0.19
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE1	10	0.19
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE2	10	0.19
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE3	10	0.19
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE1	10	0.19
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE2	10	0.19
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE3	10	0.19
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE1	10	0.19
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE2	10	0.19
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE3	10	0.19
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE1	10	0.19
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE2	10	0.19
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE3	10	0.19
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE1	10	0.19
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE2	10	0.19
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE3	10	0.19
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE1	10	0.19
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE2	10	0.19
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE3	10	0.19
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	14	0.19
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	14	0.19
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	14	0.19
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	14	0.19
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	14	0.19
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	14	0.19
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	14	0.19
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	14	0.19
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	14	0.19
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	14	0.19
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	14	0.19
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	14	0.19
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	11	0.19
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	11	0.19
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	11	0.19
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	11	0.19
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	20	0.19
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	20	0.19
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	20	0.19
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	20	0.19
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	5	0.19
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	5	0.19
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	5	0.19
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	10	0.19
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	4	0.19
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	4	0.19
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	4	0.19
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	5	0.19
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	5	0.19
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	5	0.19
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	1	0.19
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	1	0.19
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	1	0.19
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	1	0.19
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	1	0.19
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	1	0.19
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	5	0.19
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	5	0.19
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	6	0.19
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	6	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	2	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	2	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	2	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	2	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	2	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	2	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	2	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	2	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	2	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	13	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	13	0.19
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	13	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	13	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	13	0.19
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	13	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	13	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	13	0.19
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	13	0.19
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	19	0.19
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	19	0.19
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	6	0.19
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	6	0.19
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	6	0.19
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB2	7	0.19
(4,2011)	1:68:A:TYR:HD1	1:68:A:TYR:HB3	7	0.19
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB2	7	0.19
(4,2011)	1:68:A:TYR:HD2	1:68:A:TYR:HB3	7	0.19
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	10	0.19
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	10	0.19
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	6	0.19
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	12	0.19
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	3	0.19
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	3	0.19
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	3	0.19
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	3	0.19
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	3	0.19
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	3	0.19
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	6	0.19
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	6	0.19
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	6	0.19
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	6	0.19
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	6	0.19
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	6	0.19
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	9	0.19
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	9	0.19
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	9	0.19
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	9	0.19
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	9	0.19
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	9	0.19
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	20	0.19
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	20	0.19
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	20	0.19
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	20	0.19
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	20	0.19
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	20	0.19
(4,1957)	1:63:A:TYR:HA	1:63:A:TYR:HE1	6	0.19
(4,1957)	1:63:A:TYR:HA	1:63:A:TYR:HE2	6	0.19
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	8	0.19
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	8	0.19
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	8	0.19
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	8	0.19
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	18	0.19
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	18	0.19
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	18	0.19
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	8	0.19
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	8	0.19
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	8	0.19
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	8	0.19
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	18	0.19
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	18	0.19
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	18	0.19
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	18	0.19
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	8	0.19
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	8	0.19
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	8	0.19
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	8	0.19
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	18	0.19
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	18	0.19
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	18	0.19
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	18	0.19
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB2	12	0.19
(4,1913)	1:59:A:ILE:HB	1:60:A:PRO:HB3	12	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	8	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	8	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	9	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	9	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	11	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	11	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	19	0.19
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	19	0.19
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	7	0.19
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	7	0.19
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	1	0.19
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	2	0.19
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	5	0.19
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	9	0.19
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	13	0.19
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	20	0.19
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	15	0.19
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	15	0.19
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	15	0.19
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG21	19	0.19
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG22	19	0.19
(4,1822)	1:56:A:THR:HA	1:56:A:THR:HG23	19	0.19
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	5	0.19
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	5	0.19
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	5	0.19
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	5	0.19
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	5	0.19
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	5	0.19
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	5	0.19
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	5	0.19
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	5	0.19
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	5	0.19
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	5	0.19
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	5	0.19
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	5	0.19
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	5	0.19
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	5	0.19
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	5	0.19
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	5	0.19
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	13	0.19
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	13	0.19
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	13	0.19
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	13	0.19
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	13	0.19
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	13	0.19
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	13	0.19
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	13	0.19
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	13	0.19
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	13	0.19
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	13	0.19
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	13	0.19
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	13	0.19
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	13	0.19
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	13	0.19
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	13	0.19
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	13	0.19
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	13	0.19
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD11	15	0.19
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD12	15	0.19
(4,1809)	1:76:A:LEU:HD11	1:55:A:LEU:HD13	15	0.19
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD11	15	0.19
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD12	15	0.19
(4,1809)	1:76:A:LEU:HD12	1:55:A:LEU:HD13	15	0.19
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD11	15	0.19
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD12	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1809)	1:76:A:LEU:HD13	1:55:A:LEU:HD13	15	0.19
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD11	15	0.19
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD12	15	0.19
(4,1809)	1:76:A:LEU:HD21	1:55:A:LEU:HD13	15	0.19
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD11	15	0.19
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD12	15	0.19
(4,1809)	1:76:A:LEU:HD22	1:55:A:LEU:HD13	15	0.19
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD11	15	0.19
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD12	15	0.19
(4,1809)	1:76:A:LEU:HD23	1:55:A:LEU:HD13	15	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD11	10	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD12	10	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD13	10	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD11	10	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD12	10	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD13	10	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD11	10	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD12	10	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD13	10	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD11	11	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD12	11	0.19
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD13	11	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD11	11	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD12	11	0.19
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD13	11	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD11	11	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD12	11	0.19
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD13	11	0.19
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD21	11	0.19
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD22	11	0.19
(4,1779)	1:55:A:LEU:HA	1:55:A:LEU:HD23	11	0.19
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD11	2	0.19
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD12	2	0.19
(4,1757)	1:131:A:MET:HG2	1:111:A:LEU:HD13	2	0.19
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD11	2	0.19
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD12	2	0.19
(4,1757)	1:131:A:MET:HG3	1:111:A:LEU:HD13	2	0.19
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	6	0.19
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	6	0.19
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	6	0.19
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	6	0.19
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	6	0.19
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	10	0.19
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	10	0.19
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	10	0.19
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	10	0.19
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	10	0.19
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	10	0.19
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	13	0.19
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	13	0.19
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	13	0.19
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	13	0.19
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	13	0.19
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	13	0.19
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	14	0.19
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	14	0.19
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	14	0.19
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	14	0.19
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	14	0.19
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	14	0.19
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	12	0.19
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB2	17	0.19
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB3	17	0.19
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	9	0.19
(4,1691)	1:75:A:TRP:HZ2	1:40:A:ASP:HA	15	0.19
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	5	0.19
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	5	0.19
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	5	0.19
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	5	0.19
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	5	0.19
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	5	0.19
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	5	0.19
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	5	0.19
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	5	0.19
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	5	0.19
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	5	0.19
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	5	0.19
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	9	0.19
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	9	0.19
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	9	0.19
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	9	0.19
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	9	0.19
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	9	0.19
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	9	0.19
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	11	0.19
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	11	0.19
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	11	0.19
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	6	0.19
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	6	0.19
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	6	0.19
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	6	0.19
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	6	0.19
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	6	0.19
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	6	0.19
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	6	0.19
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	6	0.19
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	6	0.19
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	6	0.19
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	6	0.19
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	6	0.19
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	6	0.19
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	6	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	2	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	2	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	2	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	2	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	2	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	2	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	3	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	3	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	3	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	3	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	3	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	3	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	12	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	12	0.19
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	12	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	12	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	12	0.19
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	12	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	1	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	1	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	1	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	1	0.19
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	1	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	5	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	5	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	5	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	5	0.19
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	5	0.19
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	5	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	15	0.19
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	15	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	15	0.19
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	15	0.19
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	15	0.19
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	15	0.19
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	4	0.19
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	4	0.19
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	4	0.19
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	4	0.19
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	4	0.19
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	4	0.19
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG21	18	0.19
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG22	18	0.19
(4,1502)	1:8:A:LEU:HD11	1:25:A:THR:HG23	18	0.19
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG21	18	0.19
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG22	18	0.19
(4,1502)	1:8:A:LEU:HD12	1:25:A:THR:HG23	18	0.19
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG21	18	0.19
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG22	18	0.19
(4,1502)	1:8:A:LEU:HD13	1:25:A:THR:HG23	18	0.19
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG21	18	0.19
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG22	18	0.19
(4,1502)	1:8:A:LEU:HD21	1:25:A:THR:HG23	18	0.19
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG21	18	0.19
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG22	18	0.19
(4,1502)	1:8:A:LEU:HD22	1:25:A:THR:HG23	18	0.19
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG21	18	0.19
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG22	18	0.19
(4,1502)	1:8:A:LEU:HD23	1:25:A:THR:HG23	18	0.19
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	6	0.19
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	6	0.19
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	6	0.19
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	16	0.19
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	16	0.19
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	16	0.19
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	17	0.19
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	17	0.19
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	17	0.19
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	17	0.19
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	16	0.19
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	16	0.19
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	16	0.19
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	16	0.19
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	16	0.19
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	16	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	5	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	5	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	5	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	5	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	5	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	5	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	5	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	5	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	5	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	5	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	5	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	5	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	6	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	6	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	6	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	6	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	6	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	6	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	6	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	6	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	6	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	6	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	6	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	6	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	8	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	8	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	8	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	8	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	8	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	8	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	8	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	8	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	8	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	8	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	8	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	14	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	14	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	14	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	14	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	14	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	14	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	14	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	14	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	14	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	14	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	14	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	14	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	15	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	15	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	15	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	15	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	15	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	15	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	15	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	15	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	15	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	15	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	15	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	15	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	20	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	20	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	20	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	20	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	20	0.19
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	20	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	20	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	20	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	20	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	20	0.19
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	20	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	1	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	1	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	1	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	1	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	2	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	2	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	2	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	2	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	3	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	3	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	3	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	3	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	5	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	5	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	5	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	5	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	10	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	10	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	10	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	10	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	12	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	12	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	12	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	12	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	14	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	14	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	14	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	14	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	16	0.19
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	16	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	16	0.19
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	16	0.19
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	12	0.19
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	12	0.19
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	12	0.19
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	12	0.19
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	5	0.19
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	5	0.19
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	5	0.19
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	5	0.19
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	11	0.19
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	11	0.19
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	11	0.19
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	13	0.19
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	13	0.19
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	15	0.19
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	15	0.19
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	15	0.19
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	15	0.19
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	6	0.19
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	6	0.19
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	6	0.19
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	6	0.19
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	6	0.19
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	6	0.19
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	6	0.19
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	6	0.19
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	6	0.19
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	6	0.19
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	6	0.19
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	6	0.19
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	6	0.19
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	6	0.19
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	6	0.19
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	6	0.19
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	6	0.19
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	6	0.19
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	6	0.19
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	6	0.19
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	6	0.19
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	6	0.19
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	6	0.19
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	6	0.19
(4,1160)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	16	0.19
(4,1160)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	16	0.19
(4,1113)	1:134:A:VAL:HA	1:134:A:VAL:HB	8	0.19
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	15	0.19
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	17	0.19
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	9	0.19
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	9	0.19
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	13	0.19
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	9	0.19
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	9	0.19
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	13	0.19
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	13	0.19
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	20	0.19
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	20	0.19
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	20	0.19
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	13	0.19
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	13	0.19
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	13	0.19
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	13	0.19
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	13	0.19
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	13	0.19
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	13	0.19
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	13	0.19
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	13	0.19
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	16	0.19
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	16	0.19
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG2	2	0.19
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG3	2	0.19
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	4	0.19
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	4	0.19
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	4	0.19
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	6	0.19
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	6	0.19
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	6	0.19
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	12	0.19
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	12	0.19
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	12	0.19
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	5	0.19
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	5	0.19
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	6	0.19
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	6	0.19
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	13	0.19
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	13	0.19
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	5	0.19
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	5	0.19
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	6	0.19
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	6	0.19
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	13	0.19
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	13	0.19
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	14	0.19
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	14	0.19
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	14	0.19
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	14	0.19
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	14	0.19
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	14	0.19
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	14	0.19
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	14	0.19
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	14	0.19
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	14	0.19
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	14	0.19
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	20	0.19
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	20	0.19
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	20	0.19
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	20	0.19
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	20	0.19
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	20	0.19
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	20	0.19
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	20	0.19
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	20	0.19
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	20	0.19
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	20	0.19
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	20	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	14	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	14	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	14	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	14	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	14	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	14	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	14	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	14	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	14	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	14	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	14	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	14	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	20	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	20	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	20	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	20	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	20	0.19
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	20	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	20	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	20	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	20	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	20	0.19
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	20	0.19
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	10	0.19
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	10	0.19
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	1	0.19
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	1	0.19
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	17	0.19
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	17	0.19
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	14	0.19
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	14	0.19
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	14	0.19
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	14	0.19
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	14	0.19
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	14	0.19
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	14	0.19
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	14	0.19
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	14	0.19
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	14	0.19
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	14	0.19
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	14	0.19
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	5	0.19
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	8	0.19
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	15	0.19
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	14	0.19
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	14	0.19
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	14	0.19
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	14	0.19
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	14	0.19
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	14	0.19
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	14	0.19
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	14	0.19
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	14	0.19
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	14	0.19
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	14	0.19
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	14	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	1	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	1	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	4	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	6	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	6	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	8	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	8	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	10	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	10	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB2	17	0.19
(4,958)	1:122:A:SER:HA	1:122:A:SER:HB3	17	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	1	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	1	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	4	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	4	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	6	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	6	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	8	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	8	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	10	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	10	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB2	17	0.19
(4,955)	1:122:A:SER:HA	1:122:A:SER:HB3	17	0.19
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	4	0.19
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	4	0.19
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	16	0.19
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	16	0.19
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	4	0.19
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	4	0.19
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	16	0.19
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	16	0.19
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG2	6	0.19
(4,853)	1:101:A:LYS:HA	1:101:A:LYS:HG3	6	0.19
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	4	0.19
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	4	0.19
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	12	0.19
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	12	0.19
(4,786)	1:92:A:THR:HG21	1:92:A:THR:HA	3	0.19
(4,786)	1:92:A:THR:HG22	1:92:A:THR:HA	3	0.19
(4,786)	1:92:A:THR:HG23	1:92:A:THR:HA	3	0.19
(4,786)	1:92:A:THR:HG21	1:92:A:THR:HA	8	0.19
(4,786)	1:92:A:THR:HG22	1:92:A:THR:HA	8	0.19
(4,786)	1:92:A:THR:HG23	1:92:A:THR:HA	8	0.19
(4,786)	1:92:A:THR:HG21	1:92:A:THR:HA	15	0.19
(4,786)	1:92:A:THR:HG22	1:92:A:THR:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,786)	1:92:A:THR:HG23	1:92:A:THR:HA	15	0.19
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	4	0.19
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	4	0.19
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	4	0.19
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	4	0.19
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	4	0.19
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	4	0.19
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	4	0.19
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	4	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	2	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	2	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	2	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	2	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	2	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	2	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	10	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	10	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	10	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	10	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	10	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	10	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	13	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	13	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	13	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	13	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	13	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	13	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	15	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	15	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	15	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	15	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	15	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	15	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	16	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	16	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	16	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	16	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	16	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	16	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	18	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	18	0.19
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	18	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	18	0.19
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	18	0.19
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD11	12	0.19
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD12	12	0.19
(4,745)	1:86:A:ILE:HB	1:86:A:ILE:HD13	12	0.19
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	7	0.19
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	7	0.19
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	13	0.19
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	13	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	1	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	1	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	1	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	1	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	1	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	1	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	3	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	3	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	3	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	3	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	3	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	3	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	7	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	7	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	7	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	7	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	7	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	7	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	12	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	12	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	12	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	12	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	12	0.19
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	12	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	1	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	1	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	1	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	1	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	1	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	1	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	1	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	1	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	1	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	1	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	1	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	2	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	2	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	2	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	2	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	2	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	2	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	2	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	2	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	2	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	2	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	2	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	2	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	3	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	3	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	3	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	3	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	3	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	3	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	3	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	3	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	3	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	3	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	3	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	3	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	5	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	5	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	5	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	5	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	5	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	5	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	5	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	5	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	5	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	5	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	5	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	5	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	8	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	8	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	8	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	8	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	8	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	8	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	8	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	8	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	8	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	8	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	8	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	9	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	9	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	9	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	9	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	9	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	9	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	9	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	9	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	9	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	9	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	9	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	9	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	17	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	17	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	17	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	17	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	17	0.19
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	17	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	17	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	17	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	17	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	17	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	17	0.19
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	17	0.19
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	13	0.19
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	13	0.19
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	13	0.19
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	18	0.19
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	18	0.19
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	18	0.19
(4,614)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	16	0.19
(4,614)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,614)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	16	0.19
(4,614)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	16	0.19
(4,613)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	16	0.19
(4,613)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	16	0.19
(4,613)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	16	0.19
(4,613)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	16	0.19
(4,612)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	16	0.19
(4,612)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	16	0.19
(4,612)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	16	0.19
(4,612)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	16	0.19
(4,611)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	16	0.19
(4,611)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	16	0.19
(4,611)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	16	0.19
(4,611)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	16	0.19
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	15	0.19
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	15	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	3	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	3	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	3	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	3	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	3	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	3	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	8	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	8	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	8	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	8	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	8	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	8	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	9	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	9	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	9	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	9	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	9	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	9	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	16	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	16	0.19
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	16	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	16	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	16	0.19
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	16	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	3	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	3	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	3	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	3	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	3	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	8	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	8	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	8	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	8	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	8	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	8	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	9	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	9	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	9	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	9	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	9	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	9	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	16	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	16	0.19
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	16	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	16	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	16	0.19
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	16	0.19
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	14	0.19
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	14	0.19
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	14	0.19
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	14	0.19
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	14	0.19
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	14	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	3	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	3	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	3	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	3	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	3	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	3	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	8	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	8	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	8	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	8	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	8	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	8	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	9	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	9	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	9	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	9	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	9	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	16	0.19
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	16	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	16	0.19
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	16	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	16	0.19
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	16	0.19
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	3	0.19
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	3	0.19
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	20	0.19
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	20	0.19
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	3	0.19
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	3	0.19
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	20	0.19
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	20	0.19
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	7	0.19
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	7	0.19
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	7	0.19
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	16	0.19
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	16	0.19
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	16	0.19
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	11	0.19
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	11	0.19
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	12	0.19
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	12	0.19
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	3	0.19
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	3	0.19
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	15	0.19
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	15	0.19
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	8	0.19
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	8	0.19
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	14	0.19
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	14	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	6	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	6	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	6	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	6	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	6	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	15	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	15	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	15	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	15	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	15	0.19
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	15	0.19
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	2	0.19
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	2	0.19
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	2	0.19
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	2	0.19
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	2	0.19
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	2	0.19
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	2	0.19
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	2	0.19
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	2	0.19
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	2	0.19
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	2	0.19
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	2	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	1	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	1	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	7	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	7	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	15	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	15	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB2	20	0.19
(4,422)	1:33:A:LYS:HA	1:33:A:LYS:HB3	20	0.19
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	2	0.19
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	2	0.19
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	2	0.19
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	2	0.19
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	2	0.19
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	2	0.19
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	4	0.19
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	4	0.19
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	4	0.19
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	4	0.19
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	4	0.19
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	4	0.19
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	5	0.19
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	5	0.19
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	5	0.19
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	5	0.19
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	5	0.19
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	12	0.19
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	12	0.19
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	12	0.19
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	12	0.19
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	12	0.19
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	12	0.19
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB2	3	0.19
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB3	3	0.19
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB2	4	0.19
(4,331)	1:24:A:GLU:HA	1:24:A:GLU:HB3	4	0.19
(4,329)	1:24:A:GLU:HB2	1:24:A:GLU:HA	3	0.19
(4,329)	1:24:A:GLU:HB3	1:24:A:GLU:HA	3	0.19
(4,329)	1:24:A:GLU:HB2	1:24:A:GLU:HA	4	0.19
(4,329)	1:24:A:GLU:HB3	1:24:A:GLU:HA	4	0.19
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	20	0.19
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	6	0.19
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	6	0.19
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	6	0.19
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	6	0.19
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	13	0.19
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	13	0.19
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	13	0.19
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	13	0.19
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	13	0.19
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	13	0.19
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB2	8	0.19
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB3	8	0.19
(4,261)	1:17:A:TYR:HB2	1:17:A:TYR:HA	8	0.19
(4,261)	1:17:A:TYR:HB3	1:17:A:TYR:HA	8	0.19
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	6	0.19
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	6	0.19
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	20	0.19
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	20	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	3	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	3	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	3	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	3	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	9	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	9	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	9	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	16	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	16	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	16	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	16	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	17	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	17	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	17	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	17	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	18	0.19
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	18	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	18	0.19
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	18	0.19
(4,177)	1:9:A:LYS:HB2	1:9:A:LYS:HA	10	0.19
(4,177)	1:9:A:LYS:HB3	1:9:A:LYS:HA	10	0.19
(4,176)	1:9:A:LYS:HB2	1:9:A:LYS:HA	10	0.19
(4,176)	1:9:A:LYS:HB3	1:9:A:LYS:HA	10	0.19
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	18	0.19
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	18	0.19
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	18	0.19
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	8	0.19
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	8	0.19
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	8	0.19
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	8	0.19
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	10	0.19
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	10	0.19
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	10	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	1	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	1	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	1	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	1	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	7	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	7	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	7	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	7	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	10	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	10	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	10	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	10	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	11	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	11	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	11	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	15	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	15	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	15	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	15	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	16	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	16	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	16	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	16	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	19	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	19	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	19	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	19	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	20	0.19
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	20	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	20	0.19
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	20	0.19
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD2	16	0.19
(4,97)	1:6:A:SER:HB2	1:10:A:LYS:HD3	16	0.19
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD2	16	0.19
(4,97)	1:6:A:SER:HB3	1:10:A:LYS:HD3	16	0.19
(4,67)	1:116:A:GLU:HG2	1:116:A:GLU:HA	11	0.19
(4,67)	1:116:A:GLU:HG3	1:116:A:GLU:HA	11	0.19
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	11	0.19
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	11	0.19
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	11	0.19
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	11	0.19
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	20	0.19
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	20	0.19
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	20	0.19
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	20	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	5	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	5	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	5	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	5	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	5	0.19
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	5	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	5	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	5	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	5	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	5	0.19
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	5	0.19
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	20	0.19
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	20	0.19
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	16	0.19
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	16	0.19
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	16	0.19
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	16	0.19
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	16	0.19
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	16	0.19
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	16	0.19
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	16	0.19
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	16	0.19
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	6	0.19
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	6	0.19
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	6	0.19
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	6	0.19
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	12	0.19
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	1	0.19
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	2	0.19
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	8	0.19
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	3	0.18
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	3	0.18
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	16	0.18
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	16	0.18
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	18	0.18
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	18	0.18
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	20	0.18
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	20	0.18
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	13	0.18
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	13	0.18
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	5	0.18
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	5	0.18
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	14	0.18
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	14	0.18
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	1	0.18
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	1	0.18
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	1	0.18
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	1	0.18
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	3	0.18
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	3	0.18
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	3	0.18
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	3	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	3	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	4	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	4	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	5	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	5	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	7	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	7	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	9	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	9	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	10	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	10	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	11	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	11	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	13	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	13	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	14	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	14	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	16	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	16	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	17	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	17	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	18	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	18	0.18
(6,1337)	1:57:A:GLY:HA2	1:57:A:GLY:H	19	0.18
(6,1337)	1:57:A:GLY:HA3	1:57:A:GLY:H	19	0.18
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	15	0.18
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	15	0.18
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	15	0.18
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	15	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	2	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	2	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	2	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	2	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	3	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	3	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	3	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	3	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	10	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	10	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	10	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	13	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	13	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	13	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	13	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	15	0.18
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	15	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	15	0.18
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	15	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	2	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	2	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	2	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	2	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	3	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	3	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	3	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	3	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	10	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	10	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	10	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	10	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	13	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	13	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	13	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	13	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	15	0.18
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	15	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	15	0.18
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	15	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	2	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	2	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	2	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	2	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	3	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	3	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	3	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	3	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	10	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	10	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	10	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	10	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	13	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	13	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	13	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	15	0.18
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	15	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	15	0.18
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	15	0.18
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	8	0.18
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	8	0.18
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	8	0.18
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	8	0.18
(6,1294)	1:77:A:LEU:HD11	1:83:A:ASN:HD21	5	0.18
(6,1294)	1:77:A:LEU:HD11	1:83:A:ASN:HD22	5	0.18
(6,1294)	1:77:A:LEU:HD12	1:83:A:ASN:HD21	5	0.18
(6,1294)	1:77:A:LEU:HD12	1:83:A:ASN:HD22	5	0.18
(6,1294)	1:77:A:LEU:HD13	1:83:A:ASN:HD21	5	0.18
(6,1294)	1:77:A:LEU:HD13	1:83:A:ASN:HD22	5	0.18
(6,1294)	1:77:A:LEU:HD21	1:83:A:ASN:HD21	5	0.18
(6,1294)	1:77:A:LEU:HD21	1:83:A:ASN:HD22	5	0.18
(6,1294)	1:77:A:LEU:HD22	1:83:A:ASN:HD21	5	0.18
(6,1294)	1:77:A:LEU:HD22	1:83:A:ASN:HD22	5	0.18
(6,1294)	1:77:A:LEU:HD23	1:83:A:ASN:HD21	5	0.18
(6,1294)	1:77:A:LEU:HD23	1:83:A:ASN:HD22	5	0.18
(6,1293)	1:77:A:LEU:HD11	1:83:A:ASN:HD21	5	0.18
(6,1293)	1:77:A:LEU:HD11	1:83:A:ASN:HD22	5	0.18
(6,1293)	1:77:A:LEU:HD12	1:83:A:ASN:HD21	5	0.18
(6,1293)	1:77:A:LEU:HD12	1:83:A:ASN:HD22	5	0.18
(6,1293)	1:77:A:LEU:HD13	1:83:A:ASN:HD21	5	0.18
(6,1293)	1:77:A:LEU:HD13	1:83:A:ASN:HD22	5	0.18
(6,1293)	1:77:A:LEU:HD21	1:83:A:ASN:HD21	5	0.18
(6,1293)	1:77:A:LEU:HD21	1:83:A:ASN:HD22	5	0.18
(6,1293)	1:77:A:LEU:HD22	1:83:A:ASN:HD21	5	0.18
(6,1293)	1:77:A:LEU:HD22	1:83:A:ASN:HD22	5	0.18
(6,1293)	1:77:A:LEU:HD23	1:83:A:ASN:HD21	5	0.18
(6,1293)	1:77:A:LEU:HD23	1:83:A:ASN:HD22	5	0.18
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	4	0.18
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	4	0.18
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	20	0.18
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	20	0.18
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	20	0.18
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	20	0.18
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	17	0.18
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	20	0.18
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	20	0.18
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	6	0.18
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	6	0.18
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	7	0.18
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	7	0.18
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	7	0.18
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	7	0.18
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	7	0.18
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	7	0.18
(6,1240)	1:90:A:LYS:HG2	1:90:A:LYS:H	16	0.18
(6,1240)	1:90:A:LYS:HG3	1:90:A:LYS:H	16	0.18
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	10	0.18
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	10	0.18
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	13	0.18
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	13	0.18
(6,1228)	1:97:A:ILE:HB	1:99:A:THR:H	6	0.18
(6,1228)	1:97:A:ILE:HB	1:99:A:THR:H	10	0.18
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	12	0.18
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	12	0.18
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	12	0.18
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	12	0.18
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	12	0.18
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	12	0.18
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	7	0.18
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	7	0.18
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	7	0.18
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	20	0.18
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	20	0.18
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	14	0.18
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	4	0.18
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	9	0.18
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	20	0.18
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	20	0.18
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	20	0.18
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	20	0.18
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	20	0.18
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	20	0.18
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	9	0.18
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	9	0.18
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	14	0.18
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,959)	1:49:A:SER:H	1:48:A:SER:H	3	0.18
(6,959)	1:49:A:SER:H	1:48:A:SER:H	16	0.18
(6,959)	1:49:A:SER:H	1:48:A:SER:H	18	0.18
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	8	0.18
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	9	0.18
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	13	0.18
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	14	0.18
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	20	0.18
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB2	9	0.18
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB3	9	0.18
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	17	0.18
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	17	0.18
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	4	0.18
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	4	0.18
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	8	0.18
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	8	0.18
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	16	0.18
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	16	0.18
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	14	0.18
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	14	0.18
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	3	0.18
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	20	0.18
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	20	0.18
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	20	0.18
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	15	0.18
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	15	0.18
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	17	0.18
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	17	0.18
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	3	0.18
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	3	0.18
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	5	0.18
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	5	0.18
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	6	0.18
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	6	0.18
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	11	0.18
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	11	0.18
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	13	0.18
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	13	0.18
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	1	0.18
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	9	0.18
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	10	0.18
(6,885)	1:67:A:THR:HB	1:61:A:VAL:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	5	0.18
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	12	0.18
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	3	0.18
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	3	0.18
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	9	0.18
(6,870)	1:64:A:ARG:HG2	1:64:A:ARG:H	9	0.18
(6,870)	1:64:A:ARG:HG3	1:64:A:ARG:H	9	0.18
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG2	7	0.18
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG3	7	0.18
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG2	17	0.18
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG3	17	0.18
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	3	0.18
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	3	0.18
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	11	0.18
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	11	0.18
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	20	0.18
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	20	0.18
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	11	0.18
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	11	0.18
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	11	0.18
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	10	0.18
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	10	0.18
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	19	0.18
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	19	0.18
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	4	0.18
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	4	0.18
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	7	0.18
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	7	0.18
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	14	0.18
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	14	0.18
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	12	0.18
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	12	0.18
(6,731)	1:86:A:ILE:HG21	1:88:A:PHE:H	11	0.18
(6,731)	1:86:A:ILE:HG22	1:88:A:PHE:H	11	0.18
(6,731)	1:86:A:ILE:HG23	1:88:A:PHE:H	11	0.18
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	19	0.18
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	19	0.18
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	19	0.18
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	19	0.18
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	19	0.18
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	19	0.18
(6,717)	1:89:A:VAL:HB	1:90:A:LYS:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	14	0.18
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	18	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	1	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	3	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	4	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	7	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	15	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	16	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	19	0.18
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	20	0.18
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	12	0.18
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	3	0.18
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	10	0.18
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	20	0.18
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	5	0.18
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	5	0.18
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	10	0.18
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	11	0.18
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	13	0.18
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	4	0.18
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	4	0.18
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	7	0.18
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	7	0.18
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	9	0.18
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	9	0.18
(6,567)	1:111:A:LEU:HD11	1:111:A:LEU:H	8	0.18
(6,567)	1:111:A:LEU:HD12	1:111:A:LEU:H	8	0.18
(6,567)	1:111:A:LEU:HD13	1:111:A:LEU:H	8	0.18
(6,567)	1:111:A:LEU:HD21	1:111:A:LEU:H	8	0.18
(6,567)	1:111:A:LEU:HD22	1:111:A:LEU:H	8	0.18
(6,567)	1:111:A:LEU:HD23	1:111:A:LEU:H	8	0.18
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	2	0.18
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	8	0.18
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	13	0.18
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	8	0.18
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	8	0.18
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	8	0.18
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	17	0.18
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	17	0.18
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	17	0.18
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG2	14	0.18
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,518)	1:96:A:THR:HG21	1:96:A:THR:H	12	0.18
(6,518)	1:96:A:THR:HG22	1:96:A:THR:H	12	0.18
(6,518)	1:96:A:THR:HG23	1:96:A:THR:H	12	0.18
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	6	0.18
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	6	0.18
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	6	0.18
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	7	0.18
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	7	0.18
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	7	0.18
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	3	0.18
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	3	0.18
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	3	0.18
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	3	0.18
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	3	0.18
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	3	0.18
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	9	0.18
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	9	0.18
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	9	0.18
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	9	0.18
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	9	0.18
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	9	0.18
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	9	0.18
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	9	0.18
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	14	0.18
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	14	0.18
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	19	0.18
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	19	0.18
(6,499)	1:116:A:GLU:HG2	1:117:A:TRP:H	18	0.18
(6,499)	1:116:A:GLU:HG3	1:117:A:TRP:H	18	0.18
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	2	0.18
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	2	0.18
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	17	0.18
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	17	0.18
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	3	0.18
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	3	0.18
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	6	0.18
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	6	0.18
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	14	0.18
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	14	0.18
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	15	0.18
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	15	0.18
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	18	0.18
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	19	0.18
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	19	0.18
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	8	0.18
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	11	0.18
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	11	0.18
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	5	0.18
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	5	0.18
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	15	0.18
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	15	0.18
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	13	0.18
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	3	0.18
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	3	0.18
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	14	0.18
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	14	0.18
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	18	0.18
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	18	0.18
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	1	0.18
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	1	0.18
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	3	0.18
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	3	0.18
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	5	0.18
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	5	0.18
(6,278)	1:141:A:VAL:HB	1:142:A:PHE:H	11	0.18
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	7	0.18
(6,262)	1:104:A:ASP:HB2	1:105:A:ALA:H	7	0.18
(6,262)	1:104:A:ASP:HB3	1:105:A:ALA:H	7	0.18
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	9	0.18
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	9	0.18
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	10	0.18
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	10	0.18
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	18	0.18
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	18	0.18
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	8	0.18
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	8	0.18
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	17	0.18
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	17	0.18
(6,193)	1:19:A:ASP:HB2	1:19:A:ASP:H	20	0.18
(6,193)	1:19:A:ASP:HB3	1:19:A:ASP:H	20	0.18
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	13	0.18
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	13	0.18
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	13	0.18
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	1	0.18
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	9	0.18
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	6	0.18
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	18	0.18
(6,125)	1:51:A:GLU:HG2	1:13:A:SER:H	3	0.18
(6,125)	1:51:A:GLU:HG3	1:13:A:SER:H	3	0.18
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	10	0.18
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	13	0.18
(6,94)	1:11:A:MET:HG2	1:11:A:MET:H	13	0.18
(6,94)	1:11:A:MET:HG3	1:11:A:MET:H	13	0.18
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	6	0.18
(6,59)	1:6:A:SER:HB2	1:8:A:LEU:H	15	0.18
(6,59)	1:6:A:SER:HB3	1:8:A:LEU:H	15	0.18
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	1	0.18
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	14	0.18
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	17	0.18
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	3	0.18
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	3	0.18
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	3	0.18
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	3	0.18
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	3	0.18
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	3	0.18
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	7	0.18
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	7	0.18
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	7	0.18
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	7	0.18
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	7	0.18
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	7	0.18
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	7	0.18
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	7	0.18
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	7	0.18
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	7	0.18
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	7	0.18
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	7	0.18
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	7	0.18
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	7	0.18
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	7	0.18
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	7	0.18
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	4	0.18
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	4	0.18
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	4	0.18
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	4	0.18
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	4	0.18
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	15	0.18
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	15	0.18
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	15	0.18
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	15	0.18
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	15	0.18
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	15	0.18
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	10	0.18
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	10	0.18
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	10	0.18
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	10	0.18
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	7	0.18
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	7	0.18
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	7	0.18
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	7	0.18
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	8	0.18
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	8	0.18
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	7	0.18
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	7	0.18
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	8	0.18
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	8	0.18
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD2	20	0.18
(4,3138)	1:86:A:ILE:HG21	1:108:A:LYS:HD3	20	0.18
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD2	20	0.18
(4,3138)	1:86:A:ILE:HG22	1:108:A:LYS:HD3	20	0.18
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD2	20	0.18
(4,3138)	1:86:A:ILE:HG23	1:108:A:LYS:HD3	20	0.18
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	5	0.18
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	5	0.18
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	5	0.18
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	5	0.18
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	12	0.18
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	12	0.18
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	12	0.18
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	12	0.18
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	4	0.18
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	4	0.18
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	4	0.18
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	4	0.18
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	19	0.18
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	19	0.18
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	19	0.18
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	3	0.18
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	3	0.18
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	3	0.18
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	3	0.18
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	3	0.18
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	3	0.18
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	3	0.18
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	3	0.18
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	3	0.18
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	3	0.18
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	3	0.18
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	3	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	1	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	1	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	1	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	1	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	3	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	3	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	3	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	3	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	8	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	8	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	8	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	8	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	10	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	10	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	10	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	10	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	11	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	11	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	11	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	11	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	15	0.18
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	15	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	15	0.18
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	15	0.18
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	7	0.18
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	7	0.18
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	7	0.18
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	19	0.18
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	19	0.18
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	19	0.18
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	19	0.18
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	19	0.18
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	19	0.18
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	19	0.18
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	19	0.18
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	19	0.18
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	19	0.18
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	19	0.18
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	19	0.18
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	19	0.18
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	19	0.18
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	19	0.18
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	19	0.18
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	19	0.18
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	19	0.18
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	19	0.18
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	19	0.18
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	19	0.18
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	19	0.18
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	19	0.18
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	19	0.18
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	19	0.18
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	19	0.18
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	19	0.18
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	19	0.18
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	19	0.18
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	19	0.18
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	19	0.18
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	2	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	2	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	2	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	2	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	2	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	2	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	3	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	3	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	3	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	3	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	3	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	4	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	4	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	4	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	4	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	4	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	4	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	7	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	7	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	7	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	7	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	7	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	7	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	8	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	8	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	8	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	8	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	8	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	8	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	11	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	11	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	11	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	11	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	11	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	11	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	12	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	12	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	12	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	12	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	12	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	12	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	13	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	13	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	13	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	13	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	13	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	13	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	16	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	16	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	16	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	16	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	16	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	18	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	18	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	18	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	18	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	18	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	18	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	19	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	20	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	20	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	20	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	20	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	20	0.18
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	20	0.18
(4,2907)	1:145:A:PRO:HD2	1:144:A:ARG:HB2	9	0.18
(4,2907)	1:145:A:PRO:HD2	1:144:A:ARG:HB3	9	0.18
(4,2907)	1:145:A:PRO:HD3	1:144:A:ARG:HB2	9	0.18
(4,2907)	1:145:A:PRO:HD3	1:144:A:ARG:HB3	9	0.18
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	16	0.18
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	16	0.18
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	16	0.18
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	16	0.18
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	9	0.18
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	9	0.18
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	17	0.18
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	17	0.18
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	17	0.18
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	17	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	6	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	6	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	6	0.18
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	6	0.18
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	6	0.18
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	6	0.18
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	6	0.18
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	6	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	16	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	16	0.18
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	16	0.18
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	16	0.18
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	16	0.18
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	16	0.18
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	16	0.18
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	16	0.18
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	16	0.18
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	3	0.18
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	3	0.18
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	3	0.18
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	3	0.18
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	3	0.18
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	3	0.18
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	10	0.18
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	5	0.18
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	5	0.18
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	5	0.18
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	18	0.18
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	18	0.18
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	18	0.18
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	18	0.18
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	18	0.18
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	18	0.18
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	18	0.18
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	18	0.18
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	18	0.18
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	4	0.18
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	4	0.18
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	4	0.18
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	4	0.18
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	4	0.18
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	4	0.18
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	4	0.18
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	4	0.18
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	4	0.18
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	16	0.18
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	16	0.18
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	16	0.18
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	16	0.18
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	16	0.18
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	16	0.18
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	16	0.18
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	16	0.18
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	15	0.18
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	15	0.18
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	15	0.18
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	15	0.18
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	15	0.18
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	15	0.18
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	9	0.18
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	18	0.18
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	18	0.18
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	5	0.18
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	5	0.18
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	5	0.18
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	5	0.18
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	4	0.18
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	16	0.18
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	5	0.18
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	5	0.18
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	5	0.18
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	5	0.18
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	5	0.18
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	5	0.18
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	5	0.18
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	5	0.18
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	5	0.18
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	5	0.18
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	5	0.18
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	5	0.18
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	14	0.18
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	14	0.18
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	14	0.18
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	14	0.18
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	14	0.18
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	14	0.18
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	14	0.18
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	14	0.18
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	14	0.18
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	14	0.18
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	14	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	5	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	5	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	5	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	5	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	5	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	5	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	5	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	5	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	5	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	5	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	5	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	5	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	18	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	18	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	18	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	18	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	18	0.18
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	18	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	18	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	18	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	18	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	18	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	18	0.18
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	18	0.18
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	3	0.18
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	3	0.18
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	17	0.18
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	17	0.18
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	8	0.18
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	8	0.18
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	14	0.18
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	14	0.18
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	19	0.18
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	19	0.18
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	8	0.18
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	8	0.18
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	14	0.18
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	14	0.18
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	19	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	7	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	7	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	7	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	7	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	7	0.18
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	7	0.18
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD11	18	0.18
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD12	18	0.18
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD13	18	0.18
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	4	0.18
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	4	0.18
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	4	0.18
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	4	0.18
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	13	0.18
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	13	0.18
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	13	0.18
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	13	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	6	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	6	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	6	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	6	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	6	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	6	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	6	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	6	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	6	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	6	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	6	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	6	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	16	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	16	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	16	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	16	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	16	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	16	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	16	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	16	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	16	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	16	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	16	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	18	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	18	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	18	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	18	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	18	0.18
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	18	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	18	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	18	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	18	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	18	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	18	0.18
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	18	0.18
(4,2484)	1:111:A:LEU:HD22	1:102:A:HIS:HD1	10	0.18
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	8	0.18
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	8	0.18
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	8	0.18
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	8	0.18
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	8	0.18
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	8	0.18
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	15	0.18
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	15	0.18
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	15	0.18
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	15	0.18
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	15	0.18
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	15	0.18
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	12	0.18
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	12	0.18
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	12	0.18
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	12	0.18
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	12	0.18
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	12	0.18
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	12	0.18
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	12	0.18
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	12	0.18
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	12	0.18
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	12	0.18
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	12	0.18
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	12	0.18
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	12	0.18
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	12	0.18
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG21	9	0.18
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2379)	1:95:A:MET:HA	1:96:A:THR:HG23	9	0.18
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG21	11	0.18
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG22	11	0.18
(4,2375)	1:97:A:ILE:HD11	1:96:A:THR:HG23	11	0.18
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG21	11	0.18
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG22	11	0.18
(4,2375)	1:97:A:ILE:HD12	1:96:A:THR:HG23	11	0.18
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG21	11	0.18
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG22	11	0.18
(4,2375)	1:97:A:ILE:HD13	1:96:A:THR:HG23	11	0.18
(4,2373)	1:142:A:PHE:HE1	1:96:A:THR:HB	18	0.18
(4,2373)	1:142:A:PHE:HE2	1:96:A:THR:HB	18	0.18
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	16	0.18
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	16	0.18
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	4	0.18
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	4	0.18
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	4	0.18
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	13	0.18
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	13	0.18
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	13	0.18
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	13	0.18
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	13	0.18
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	13	0.18
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	15	0.18
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	15	0.18
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	15	0.18
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	15	0.18
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	15	0.18
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	15	0.18
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	1	0.18
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	3	0.18
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	3	0.18
(4,2314)	1:89:A:VAL:H	1:89:A:VAL:HB	11	0.18
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG11	17	0.18
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG12	17	0.18
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG13	17	0.18
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG21	17	0.18
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG22	17	0.18
(4,2309)	1:89:A:VAL:HA	1:89:A:VAL:HG23	17	0.18
(4,2305)	1:89:A:VAL:HG11	1:88:A:PHE:HA	9	0.18
(4,2305)	1:89:A:VAL:HG12	1:88:A:PHE:HA	9	0.18
(4,2305)	1:89:A:VAL:HG13	1:88:A:PHE:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2305)	1:89:A:VAL:HG21	1:88:A:PHE:HA	9	0.18
(4,2305)	1:89:A:VAL:HG22	1:88:A:PHE:HA	9	0.18
(4,2305)	1:89:A:VAL:HG23	1:88:A:PHE:HA	9	0.18
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	3	0.18
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	3	0.18
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	20	0.18
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	20	0.18
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	1	0.18
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	1	0.18
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	1	0.18
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	1	0.18
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	1	0.18
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	1	0.18
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG2	8	0.18
(4,2279)	1:86:A:ILE:HG21	1:108:A:LYS:HG3	8	0.18
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG2	8	0.18
(4,2279)	1:86:A:ILE:HG22	1:108:A:LYS:HG3	8	0.18
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG2	8	0.18
(4,2279)	1:86:A:ILE:HG23	1:108:A:LYS:HG3	8	0.18
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	15	0.18
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	15	0.18
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	15	0.18
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	15	0.18
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	15	0.18
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	15	0.18
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	15	0.18
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	15	0.18
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	15	0.18
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	15	0.18
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	15	0.18
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	15	0.18
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	3	0.18
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	13	0.18
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	13	0.18
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	13	0.18
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	13	0.18
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	13	0.18
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	13	0.18
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	13	0.18
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	13	0.18
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	13	0.18
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	6	0.18
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	6	0.18
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	6	0.18
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD11	19	0.18
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD12	19	0.18
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD13	19	0.18
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD21	19	0.18
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD22	19	0.18
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD23	19	0.18
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD11	19	0.18
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD12	19	0.18
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD13	19	0.18
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD21	19	0.18
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD22	19	0.18
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD23	19	0.18
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD11	19	0.18
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD12	19	0.18
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD13	19	0.18
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD21	19	0.18
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD22	19	0.18
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD23	19	0.18
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	2	0.18
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	2	0.18
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	14	0.18
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	14	0.18
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	1	0.18
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	14	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	2	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	2	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	2	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	2	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	2	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	2	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	3	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	3	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	3	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	3	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	3	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	3	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	4	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	4	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	4	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	4	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	4	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	5	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	5	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	5	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	5	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	5	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	5	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	8	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	8	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	8	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	8	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	8	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	8	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	9	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	9	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	9	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	9	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	9	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	9	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	10	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	10	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	10	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	10	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	10	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	10	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	12	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	12	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	12	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	12	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	12	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	12	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	13	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	13	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	13	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	13	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	13	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	13	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	14	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	14	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	14	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	14	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	14	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	17	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	17	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	17	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	17	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	17	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	17	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	18	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	18	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	18	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	18	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	18	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	18	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	19	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	19	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	19	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	19	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	19	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	19	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD11	20	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD12	20	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD13	20	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD21	20	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD22	20	0.18
(4,2182)	1:77:A:LEU:HG	1:77:A:LEU:HD23	20	0.18
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	10	0.18
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	10	0.18
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	10	0.18
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	10	0.18
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	10	0.18
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	10	0.18
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	10	0.18
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	10	0.18
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	10	0.18
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	10	0.18
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	10	0.18
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	10	0.18
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	10	0.18
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	10	0.18
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	10	0.18
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	10	0.18
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	10	0.18
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	10	0.18
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	10	0.18
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	10	0.18
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	10	0.18
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	10	0.18
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	10	0.18
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	8	0.18
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	8	0.18
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	8	0.18
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	8	0.18
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	13	0.18
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	13	0.18
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	13	0.18
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	13	0.18
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	13	0.18
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	13	0.18
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	15	0.18
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	15	0.18
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	15	0.18
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	15	0.18
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	15	0.18
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	15	0.18
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	13	0.18
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	13	0.18
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	13	0.18
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	13	0.18
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	13	0.18
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	13	0.18
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	15	0.18
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	15	0.18
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	15	0.18
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	15	0.18
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	15	0.18
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	15	0.18
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	9	0.18
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	9	0.18
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	9	0.18
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	9	0.18
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	9	0.18
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	9	0.18
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	9	0.18
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	9	0.18
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	9	0.18
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	9	0.18
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	9	0.18
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	9	0.18
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	9	0.18
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	9	0.18
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	9	0.18
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	9	0.18
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	9	0.18
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	9	0.18
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	9	0.18
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	9	0.18
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	9	0.18
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	9	0.18
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	9	0.18
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	9	0.18
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	9	0.18
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	9	0.18
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	9	0.18
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	9	0.18
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	9	0.18
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	9	0.18
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	9	0.18
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	9	0.18
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	9	0.18
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	9	0.18
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	9	0.18
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	20	0.18
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	20	0.18
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	20	0.18
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	20	0.18
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	20	0.18
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	20	0.18
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	2	0.18
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	2	0.18
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	2	0.18
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	3	0.18
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	3	0.18
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	16	0.18
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	16	0.18
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	16	0.18
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	16	0.18
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	16	0.18
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	16	0.18
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	17	0.18
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	17	0.18
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	5	0.18
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	5	0.18
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	5	0.18
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	5	0.18
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	5	0.18
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	5	0.18
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	5	0.18
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	5	0.18
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	5	0.18
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	11	0.18
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	11	0.18
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	11	0.18
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	11	0.18
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	11	0.18
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	11	0.18
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	6	0.18
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	6	0.18
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	13	0.18
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	13	0.18
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	5	0.18
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	14	0.18
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	15	0.18
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	16	0.18
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	4	0.18
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	4	0.18
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	4	0.18
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	4	0.18
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	4	0.18
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	4	0.18
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	13	0.18
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	13	0.18
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	13	0.18
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	13	0.18
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	13	0.18
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	15	0.18
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	15	0.18
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	15	0.18
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	15	0.18
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	15	0.18
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	15	0.18
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	16	0.18
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	16	0.18
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	16	0.18
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	16	0.18
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	16	0.18
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	16	0.18
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG11	13	0.18
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG12	13	0.18
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG13	13	0.18
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG21	13	0.18
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG22	13	0.18
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG23	13	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	1	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	1	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	1	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	1	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	4	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	4	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	4	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	4	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	5	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	5	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	5	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	5	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	6	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	6	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	6	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	6	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	7	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	7	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	7	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	7	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	10	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	10	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	10	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	13	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	13	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	13	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	13	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	14	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	14	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	14	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	14	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	16	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	16	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	16	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	16	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	19	0.18
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	19	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	19	0.18
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	19	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	1	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	1	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	1	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	1	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	4	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	4	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	4	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	4	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	5	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	5	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	5	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	5	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	6	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	6	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	6	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	6	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	7	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	7	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	7	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	7	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	10	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	10	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	10	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	13	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	13	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	13	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	13	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	14	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	14	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	14	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	14	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	16	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	16	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	16	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	16	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	19	0.18
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	19	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	19	0.18
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	19	0.18
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	3	0.18
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	3	0.18
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	6	0.18
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	6	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	1	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	1	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	1	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	1	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	4	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	4	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	4	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	4	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	5	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	5	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	5	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	5	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	6	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	6	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	6	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	6	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	7	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	7	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	7	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	7	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	10	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	10	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	10	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	13	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	13	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	13	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	13	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	14	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	14	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	14	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	14	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	16	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	16	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	16	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	16	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	19	0.18
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	19	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	19	0.18
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	19	0.18
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	2	0.18
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	2	0.18
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	2	0.18
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	2	0.18
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	2	0.18
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	2	0.18
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	2	0.18
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	2	0.18
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	2	0.18
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	10	0.18
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	10	0.18
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	10	0.18
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	10	0.18
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	10	0.18
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	10	0.18
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	10	0.18
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	10	0.18
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	10	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	3	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	4	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	6	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	11	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	16	0.18
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	19	0.18
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	19	0.18
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	19	0.18
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	19	0.18
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	19	0.18
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	19	0.18
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	19	0.18
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	19	0.18
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	19	0.18
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	19	0.18
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	19	0.18
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	19	0.18
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	19	0.18
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	19	0.18
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	19	0.18
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	19	0.18
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	19	0.18
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	19	0.18
(4,1786)	1:76:A:LEU:HD11	1:55:A:LEU:HG	7	0.18
(4,1786)	1:76:A:LEU:HD12	1:55:A:LEU:HG	7	0.18
(4,1786)	1:76:A:LEU:HD13	1:55:A:LEU:HG	7	0.18
(4,1786)	1:76:A:LEU:HD21	1:55:A:LEU:HG	7	0.18
(4,1786)	1:76:A:LEU:HD22	1:55:A:LEU:HG	7	0.18
(4,1786)	1:76:A:LEU:HD23	1:55:A:LEU:HG	7	0.18
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	19	0.18
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	19	0.18
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	19	0.18
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	19	0.18
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	19	0.18
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	19	0.18
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB2	4	0.18
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB3	4	0.18
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	3	0.18
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	3	0.18
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	3	0.18
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	3	0.18
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	3	0.18
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	3	0.18
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG11	1	0.18
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG12	1	0.18
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG13	1	0.18
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG21	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG22	1	0.18
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG23	1	0.18
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG11	1	0.18
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG12	1	0.18
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG13	1	0.18
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG21	1	0.18
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG22	1	0.18
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG23	1	0.18
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	6	0.18
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	6	0.18
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	10	0.18
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	10	0.18
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	18	0.18
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	18	0.18
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	18	0.18
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	18	0.18
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	18	0.18
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	18	0.18
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	18	0.18
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	18	0.18
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	18	0.18
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	18	0.18
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	18	0.18
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	18	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	8	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	8	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	8	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	8	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	8	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	8	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	8	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	8	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	8	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	8	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	8	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	8	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	8	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	8	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	8	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	8	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	8	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	12	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	12	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	12	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	12	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	12	0.18
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	12	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	12	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	12	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	12	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	12	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	12	0.18
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	12	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	12	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	12	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	12	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	12	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	12	0.18
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	12	0.18
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	5	0.18
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	5	0.18
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	5	0.18
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	5	0.18
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	18	0.18
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	18	0.18
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	18	0.18
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	18	0.18
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	5	0.18
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	5	0.18
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	5	0.18
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	5	0.18
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	18	0.18
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	18	0.18
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	18	0.18
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	18	0.18
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	14	0.18
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	14	0.18
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	14	0.18
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	14	0.18
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	15	0.18
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	15	0.18
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	15	0.18
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	19	0.18
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	19	0.18
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	19	0.18
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	19	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD11	5	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD12	5	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD13	5	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD21	5	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD22	5	0.18
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD23	5	0.18
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD11	5	0.18
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD12	5	0.18
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD13	5	0.18
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD21	5	0.18
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD22	5	0.18
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD23	5	0.18
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	14	0.18
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	17	0.18
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	17	0.18
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	13	0.18
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	13	0.18
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	13	0.18
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	13	0.18
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	13	0.18
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	13	0.18
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	4	0.18
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	4	0.18
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	4	0.18
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	4	0.18
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	4	0.18
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	4	0.18
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	4	0.18
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	4	0.18
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	4	0.18
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	16	0.18
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	16	0.18
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	16	0.18
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	16	0.18
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	16	0.18
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	16	0.18
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	16	0.18
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	16	0.18
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	12	0.18
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	12	0.18
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	12	0.18
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	12	0.18
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	12	0.18
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	12	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	2	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	2	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	2	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	2	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	2	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	2	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	2	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	2	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	2	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	6	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	6	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	6	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	6	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	6	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	6	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	6	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	6	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	6	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	7	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	7	0.18
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	7	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	7	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	7	0.18
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	7	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	7	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	7	0.18
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	7	0.18
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	12	0.18
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	12	0.18
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	12	0.18
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	12	0.18
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	12	0.18
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	12	0.18
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	16	0.18
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	16	0.18
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	16	0.18
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	16	0.18
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	16	0.18
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	18	0.18
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	18	0.18
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	18	0.18
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	10	0.18
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	10	0.18
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	10	0.18
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	10	0.18
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	10	0.18
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	10	0.18
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	14	0.18
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	14	0.18
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	14	0.18
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	14	0.18
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	14	0.18
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	14	0.18
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	19	0.18
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	19	0.18
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	19	0.18
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	19	0.18
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	20	0.18
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	20	0.18
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	20	0.18
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	20	0.18
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	15	0.18
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	15	0.18
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	7	0.18
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	7	0.18
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	7	0.18
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	7	0.18
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	7	0.18
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	7	0.18
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	7	0.18
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	14	0.18
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	14	0.18
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	14	0.18
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	14	0.18
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	14	0.18
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1437)	1:12:A:VAL:HG11	1:21:A:THR:HB	2	0.18
(4,1437)	1:12:A:VAL:HG12	1:21:A:THR:HB	2	0.18
(4,1437)	1:12:A:VAL:HG13	1:21:A:THR:HB	2	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	4	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	4	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	4	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	4	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	4	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	4	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	6	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	6	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	6	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	6	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	6	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	6	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	8	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	8	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	8	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	8	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	8	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	8	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	9	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	9	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	9	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	9	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	9	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	9	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	10	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	10	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	10	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	10	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	10	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	10	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	13	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	13	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	13	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	13	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	13	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	13	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	15	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	15	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	15	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	15	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	15	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	19	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	19	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	19	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	19	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	19	0.18
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	19	0.18
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	12	0.18
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	12	0.18
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	12	0.18
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	12	0.18
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	12	0.18
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	12	0.18
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	12	0.18
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	12	0.18
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	12	0.18
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	12	0.18
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	12	0.18
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	12	0.18
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	12	0.18
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	12	0.18
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	12	0.18
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	12	0.18
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	12	0.18
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	12	0.18
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	12	0.18
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	5	0.18
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	5	0.18
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	5	0.18
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	5	0.18
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	11	0.18
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	11	0.18
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	11	0.18
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	11	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	10	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	10	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	10	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	10	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	10	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	10	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	10	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	10	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	10	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	10	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	10	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	16	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	16	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	16	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	16	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	16	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	16	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	16	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	16	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	16	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	16	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	16	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	16	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	17	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	17	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	17	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	17	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	17	0.18
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	17	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	17	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	17	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	17	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	17	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	17	0.18
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	17	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	4	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	4	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	4	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	4	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	6	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	6	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	6	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	6	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	11	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	11	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	11	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	13	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	13	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	13	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	13	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	15	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	15	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	15	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	15	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	17	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	17	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	17	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	17	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	18	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	18	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	18	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	18	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD2	20	0.18
(4,1340)	1:16:A:LYS:HG2	1:16:A:LYS:HD3	20	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD2	20	0.18
(4,1340)	1:16:A:LYS:HG3	1:16:A:LYS:HD3	20	0.18
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	13	0.18
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	13	0.18
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	13	0.18
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	13	0.18
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	16	0.18
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	16	0.18
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	16	0.18
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	16	0.18
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	18	0.18
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	18	0.18
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	18	0.18
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	18	0.18
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	11	0.18
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	11	0.18
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	11	0.18
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	11	0.18
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	11	0.18
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	11	0.18
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB2	19	0.18
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB3	19	0.18
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB2	19	0.18
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	12	0.18
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	12	0.18
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	12	0.18
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	12	0.18
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD2	19	0.18
(4,1248)	1:9:A:LYS:HE2	1:9:A:LYS:HD3	19	0.18
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD2	19	0.18
(4,1248)	1:9:A:LYS:HE3	1:9:A:LYS:HD3	19	0.18
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	18	0.18
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	18	0.18
(4,1230)	1:53:A:MET:HG2	1:8:A:LEU:HG	10	0.18
(4,1230)	1:53:A:MET:HG3	1:8:A:LEU:HG	10	0.18
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	19	0.18
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	8	0.18
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	8	0.18
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	8	0.18
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	8	0.18
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	8	0.18
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	8	0.18
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	8	0.18
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	8	0.18
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	8	0.18
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	8	0.18
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	8	0.18
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	8	0.18
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	13	0.18
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	13	0.18
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	13	0.18
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	13	0.18
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	13	0.18
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	13	0.18
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	13	0.18
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	13	0.18
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	13	0.18
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	13	0.18
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	13	0.18
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	13	0.18
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	8	0.18
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	8	0.18
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	8	0.18
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	8	0.18
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	8	0.18
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	8	0.18
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	8	0.18
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	8	0.18
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	8	0.18
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	8	0.18
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	8	0.18
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	13	0.18
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	13	0.18
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	13	0.18
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	13	0.18
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	13	0.18
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	13	0.18
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	13	0.18
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	13	0.18
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	13	0.18
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	13	0.18
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	13	0.18
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	13	0.18
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	17	0.18
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	17	0.18
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	5	0.18
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	5	0.18
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	11	0.18
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	11	0.18
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	8	0.18
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	8	0.18
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	8	0.18
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	8	0.18
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	8	0.18
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	8	0.18
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	8	0.18
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	8	0.18
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	3	0.18
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	13	0.18
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	20	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	3	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	3	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	3	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	16	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	16	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	17	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	17	0.18
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	17	0.18
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	6	0.18
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	6	0.18
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	6	0.18
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	6	0.18
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	6	0.18
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	6	0.18
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	6	0.18
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	6	0.18
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	6	0.18
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	18	0.18
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	18	0.18
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG2	5	0.18
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG3	5	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	7	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	7	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	8	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	8	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	11	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	11	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	12	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	12	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	13	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	13	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	14	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	14	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	15	0.18
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	15	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	1	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	1	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	1	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	5	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	5	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	5	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	7	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	7	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	7	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	9	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	9	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	10	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	10	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	10	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	14	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	14	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	14	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	15	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	15	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	15	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	16	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	16	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	16	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	17	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	17	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	17	0.18
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	19	0.18
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	19	0.18
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	19	0.18
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	2	0.18
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	2	0.18
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	2	0.18
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	2	0.18
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	18	0.18
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	18	0.18
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	18	0.18
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	18	0.18
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	9	0.18
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	9	0.18
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	9	0.18
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	9	0.18
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	9	0.18
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	9	0.18
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	9	0.18
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	9	0.18
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	9	0.18
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	9	0.18
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	9	0.18
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	9	0.18
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	9	0.18
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	9	0.18
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	9	0.18
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	9	0.18
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	9	0.18
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	9	0.18
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	9	0.18
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	9	0.18
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	9	0.18
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	9	0.18
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	9	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	4	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	4	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	6	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	6	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	12	0.18
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	12	0.18
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	20	0.18
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	20	0.18
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	20	0.18
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	20	0.18
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	20	0.18
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	20	0.18
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	20	0.18
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	20	0.18
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	20	0.18
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	20	0.18
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	20	0.18
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	20	0.18
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	11	0.18
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	20	0.18
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	20	0.18
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	20	0.18
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	20	0.18
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	20	0.18
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	20	0.18
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	20	0.18
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	20	0.18
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	20	0.18
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	20	0.18
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	20	0.18
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	20	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	5	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	5	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	5	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	9	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	9	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	9	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	9	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	18	0.18
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	18	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	18	0.18
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	18	0.18
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	20	0.18
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	20	0.18
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	20	0.18
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	20	0.18
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	4	0.18
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	4	0.18
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	4	0.18
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	4	0.18
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	6	0.18
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	6	0.18
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	6	0.18
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	6	0.18
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	16	0.18
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	16	0.18
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	16	0.18
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	16	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	4	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	4	0.18
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	4	0.18
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	4	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	6	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	6	0.18
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	6	0.18
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	6	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	16	0.18
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	16	0.18
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	16	0.18
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	16	0.18
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	17	0.18
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	17	0.18
(4,840)	1:97:A:ILE:HG12	1:97:A:ILE:HA	15	0.18
(4,840)	1:97:A:ILE:HG13	1:97:A:ILE:HA	15	0.18
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	13	0.18
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	13	0.18
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	13	0.18
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	19	0.18
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	19	0.18
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG11	17	0.18
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG12	17	0.18
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG13	17	0.18
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG21	17	0.18
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG22	17	0.18
(4,779)	1:89:A:VAL:HA	1:89:A:VAL:HG23	17	0.18
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	6	0.18
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	6	0.18
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	8	0.18
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	8	0.18
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	10	0.18
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	10	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	6	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	6	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	8	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	8	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	10	0.18
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	10	0.18
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	6	0.18
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	6	0.18
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	8	0.18
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	8	0.18
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	10	0.18
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	10	0.18
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	6	0.18
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	6	0.18
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	8	0.18
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	8	0.18
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	10	0.18
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	10	0.18
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	12	0.18
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	12	0.18
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	14	0.18
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	14	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	17	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	17	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	17	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	17	0.18
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	17	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	6	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	6	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	6	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	6	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	6	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	6	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	6	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	6	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	6	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	6	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	6	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	6	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	7	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	7	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	7	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	7	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	7	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	7	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	7	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	7	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	7	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	7	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	7	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	7	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	12	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	12	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	12	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	12	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	12	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	12	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	12	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	12	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	12	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	12	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	12	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	12	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	13	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	13	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	13	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	13	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	13	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	13	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	13	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	13	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	13	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	13	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	13	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	18	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	18	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	18	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	18	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	18	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	18	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	18	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	18	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	18	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	18	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	18	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	18	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	19	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	19	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	19	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	19	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	19	0.18
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	19	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	19	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	19	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	19	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	19	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	19	0.18
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	19	0.18
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	1	0.18
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	1	0.18
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	1	0.18
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	3	0.18
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	3	0.18
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	3	0.18
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	7	0.18
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	7	0.18
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	9	0.18
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	9	0.18
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	9	0.18
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	14	0.18
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	14	0.18
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	14	0.18
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	12	0.18
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	12	0.18
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	12	0.18
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	12	0.18
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	12	0.18
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	12	0.18
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	12	0.18
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	12	0.18
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	2	0.18
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	2	0.18
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	2	0.18
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	2	0.18
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	2	0.18
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	2	0.18
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	14	0.18
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	14	0.18
(4,550)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	14	0.18
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	14	0.18
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	14	0.18
(4,550)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	14	0.18
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	2	0.18
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	2	0.18
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	2	0.18
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	2	0.18
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	2	0.18
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	2	0.18
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD11	14	0.18
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD12	14	0.18
(4,549)	1:52:A:LEU:HB2	1:52:A:LEU:HD13	14	0.18
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD11	14	0.18
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD12	14	0.18
(4,549)	1:52:A:LEU:HB3	1:52:A:LEU:HD13	14	0.18
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	2	0.18
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	2	0.18
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	2	0.18
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	2	0.18
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	2	0.18
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB2	14	0.18
(4,536)	1:52:A:LEU:HD11	1:52:A:LEU:HB3	14	0.18
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB2	14	0.18
(4,536)	1:52:A:LEU:HD12	1:52:A:LEU:HB3	14	0.18
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB2	14	0.18
(4,536)	1:52:A:LEU:HD13	1:52:A:LEU:HB3	14	0.18
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	4	0.18
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	4	0.18
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	20	0.18
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	20	0.18
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	8	0.18
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	8	0.18
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	19	0.18
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	19	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	2	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	2	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	2	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	2	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	2	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	2	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	3	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	3	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	3	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	3	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	3	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	3	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	4	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	4	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	4	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	4	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	4	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	4	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	5	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	5	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	5	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	5	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	5	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	5	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	6	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	6	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	6	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	6	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	6	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	7	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	7	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	7	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	7	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	7	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	7	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	9	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	9	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	9	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	9	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	9	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	9	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	10	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	10	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	10	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	10	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	10	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	10	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	11	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	11	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	11	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	11	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	11	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	11	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	12	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	12	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	12	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	12	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	12	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	12	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	13	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	13	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	13	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	13	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	13	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	13	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	15	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	15	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	15	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	15	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	15	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	16	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	16	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	16	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	16	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	16	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	16	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	19	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	19	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	19	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	19	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	19	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	19	0.18
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	20	0.18
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	20	0.18
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	20	0.18
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	20	0.18
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	20	0.18
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	20	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	2	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	2	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	7	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	7	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	9	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	9	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	10	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	10	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	11	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	11	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	16	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	16	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	17	0.18
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	17	0.18
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	14	0.18
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	14	0.18
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	14	0.18
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	14	0.18
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	14	0.18
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	14	0.18
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	14	0.18
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	14	0.18
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	14	0.18
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	14	0.18
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	14	0.18
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB2	17	0.18
(4,451)	1:35:A:LEU:HD11	1:35:A:LEU:HB3	17	0.18
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB2	17	0.18
(4,451)	1:35:A:LEU:HD12	1:35:A:LEU:HB3	17	0.18
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB2	17	0.18
(4,451)	1:35:A:LEU:HD13	1:35:A:LEU:HB3	17	0.18
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB2	17	0.18
(4,451)	1:35:A:LEU:HD21	1:35:A:LEU:HB3	17	0.18
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB2	17	0.18
(4,451)	1:35:A:LEU:HD22	1:35:A:LEU:HB3	17	0.18
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB2	17	0.18
(4,451)	1:35:A:LEU:HD23	1:35:A:LEU:HB3	17	0.18
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	13	0.18
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	13	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	2	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	2	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	2	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	2	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	2	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	2	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	2	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	2	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	2	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	2	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	2	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	2	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	4	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	4	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	4	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	4	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	4	0.18
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	4	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	4	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	4	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	4	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	4	0.18
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	4	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	1	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	1	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	1	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	1	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	1	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	1	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	3	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	3	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	3	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	3	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	3	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	3	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	6	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	6	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	6	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	6	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	6	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	6	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	7	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	7	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	7	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	7	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	7	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	7	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	8	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	8	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	8	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	8	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	8	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	8	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	9	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	9	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	9	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	9	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	9	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	9	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	10	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	10	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	10	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	10	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	10	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	11	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	11	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	11	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	11	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	11	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	11	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	13	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	13	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	13	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	13	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	13	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	13	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	14	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	14	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	14	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	14	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	14	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	14	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	15	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	15	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	15	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	15	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	15	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	15	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	16	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	16	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	16	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	16	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	16	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	16	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	18	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	18	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	18	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	18	0.18
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	18	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	18	0.18
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	20	0.18
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	20	0.18
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	20	0.18
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	20	0.18
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	20	0.18
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	18	0.18
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	20	0.18
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	20	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	7	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	7	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	7	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	7	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	8	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	8	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	8	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	8	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	18	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	18	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	18	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	18	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	20	0.18
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	20	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	20	0.18
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	20	0.18
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	10	0.18
(4,267)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	10	0.18
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	10	0.18
(4,267)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	10	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	9	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	9	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	15	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	15	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	16	0.18
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	16	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	1	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	1	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	1	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	1	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	2	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	2	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	2	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	2	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	4	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	4	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	4	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	5	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	5	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	5	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	5	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	6	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	6	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	6	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	6	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	7	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	7	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	7	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	7	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	8	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	8	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	8	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	8	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	10	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	10	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	10	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	10	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	11	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	11	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	11	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	11	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	12	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	12	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	12	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	12	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	13	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	13	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	13	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	13	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	15	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	15	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	15	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	15	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	19	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	19	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	19	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	19	0.18
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,196)	1:10:A:LYS:HB2	1:10:A:LYS:HG3	20	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG2	20	0.18
(4,196)	1:10:A:LYS:HB3	1:10:A:LYS:HG3	20	0.18
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	15	0.18
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	15	0.18
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	15	0.18
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG11	17	0.18
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG12	17	0.18
(4,149)	1:135:A:PHE:H	1:134:A:VAL:HG13	17	0.18
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	2	0.18
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	2	0.18
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	2	0.18
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	2	0.18
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	2	0.18
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	2	0.18
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	2	0.18
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB2	18	0.18
(4,116)	1:53:A:MET:HG2	1:53:A:MET:HB3	18	0.18
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB2	18	0.18
(4,116)	1:53:A:MET:HG3	1:53:A:MET:HB3	18	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	4	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	4	0.18
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	4	0.18
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	4	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	6	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	6	0.18
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	6	0.18
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	6	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	16	0.18
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	16	0.18
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	16	0.18
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	16	0.18
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	7	0.18
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	7	0.18
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	7	0.18
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	7	0.18
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	20	0.18
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	20	0.18
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	20	0.18
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	20	0.18
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	3	0.18
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	3	0.18
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	3	0.18
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	5	0.18
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	5	0.18
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	5	0.18
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	5	0.18
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	18	0.18
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	18	0.18
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	18	0.18
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	18	0.18
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	6	0.18
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	6	0.18
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	6	0.18
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	6	0.18
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	6	0.18
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	6	0.18
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	6	0.18
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	6	0.18
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	6	0.18
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	6	0.18
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	6	0.18
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	6	0.18
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	19	0.18
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	19	0.18
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	19	0.18
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	19	0.18
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	19	0.18
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	19	0.18
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	6	0.18
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	6	0.18
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	6	0.18
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	6	0.18
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	13	0.18
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	13	0.18
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	13	0.18
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	13	0.18
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	18	0.18
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	18	0.18
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	18	0.18
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	18	0.18
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	3	0.18
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	3	0.18
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	3	0.18
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	3	0.18
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	3	0.18
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	3	0.18
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	3	0.18
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	3	0.18
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	3	0.18
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	3	0.18
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	3	0.18
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	3	0.18
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	3	0.18
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	3	0.18
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	3	0.18
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	3	0.18
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	3	0.18
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	3	0.18
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	3	0.18
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	3	0.18
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	3	0.18
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	3	0.18
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	3	0.18
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	3	0.18
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	3	0.18
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	3	0.18
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	3	0.18
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	3	0.18
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	3	0.18
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	3	0.18
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	3	0.18
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	3	0.18
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	3	0.18
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	3	0.18
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	3	0.18
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	5	0.18
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	5	0.18
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	5	0.18
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	5	0.18
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	5	0.18
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	5	0.18
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	5	0.18
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	5	0.18
(3,2)	1:123:A:ASP:OD1	1:125:A:LEU:H	16	0.18
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	7	0.18
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	8	0.18
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	13	0.18
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	14	0.18
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	18	0.18
(1,51)	1:59:A:ILE:O	1:70:A:ILE:H	12	0.18
(8,76)	1:42:A:TYR:HD1	1:75:A:TRP:HH2	5	0.17
(8,76)	1:42:A:TYR:HD2	1:75:A:TRP:HH2	5	0.17
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	14	0.17
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	14	0.17
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	19	0.17
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	19	0.17
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	3	0.17
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	3	0.17
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	4	0.17
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	4	0.17
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	16	0.17
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	16	0.17
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	16	0.17
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	16	0.17
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	4	0.17
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	4	0.17
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	4	0.17
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	4	0.17
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	7	0.17
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	9	0.17
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	20	0.17
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	20	0.17
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	20	0.17
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	20	0.17
(6,1344)	1:58:A:THR:H	1:34:A:ASP:HB2	10	0.17
(6,1344)	1:58:A:THR:H	1:34:A:ASP:HB3	10	0.17
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	19	0.17
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	19	0.17
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	19	0.17
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	19	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	1	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	1	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	1	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	4	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	4	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	4	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	4	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	18	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	18	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	18	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	18	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	20	0.17
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	20	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	20	0.17
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	20	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	1	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	1	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	1	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	1	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	4	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	4	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	4	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	4	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	18	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	18	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	18	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	18	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	20	0.17
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	20	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	20	0.17
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	20	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	1	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	1	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	1	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	1	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	4	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	4	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	4	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	4	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	18	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	18	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	18	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	18	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	20	0.17
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	20	0.17
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	20	0.17
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	19	0.17
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	19	0.17
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	19	0.17
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	19	0.17
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	20	0.17
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	20	0.17
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	20	0.17
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	20	0.17
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	15	0.17
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	15	0.17
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	20	0.17
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	20	0.17
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	10	0.17
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	10	0.17
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	10	0.17
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	10	0.17
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	14	0.17
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	14	0.17
(6,1265)	1:122:A:SER:HB2	1:117:A:TRP:HE1	3	0.17
(6,1265)	1:122:A:SER:HB3	1:117:A:TRP:HE1	3	0.17
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	3	0.17
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	3	0.17
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	14	0.17
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	14	0.17
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	19	0.17
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	7	0.17
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	7	0.17
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	7	0.17
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	7	0.17
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	7	0.17
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	7	0.17
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	2	0.17
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	8	0.17
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	9	0.17
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	15	0.17
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	18	0.17
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	15	0.17
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	15	0.17
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	1	0.17
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	6	0.17
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	6	0.17
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	11	0.17
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	11	0.17
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	16	0.17
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	16	0.17
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	2	0.17
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	2	0.17
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	2	0.17
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	2	0.17
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	2	0.17
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	2	0.17
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	8	0.17
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	8	0.17
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	8	0.17
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	8	0.17
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	8	0.17
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	8	0.17
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	1	0.17
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	1	0.17
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	5	0.17
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	5	0.17
(6,1076)	1:33:A:LYS:H	1:31:A:LEU:H	15	0.17
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	6	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	2	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	5	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	7	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	8	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	9	0.17
(6,959)	1:49:A:SER:H	1:48:A:SER:H	13	0.17
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	10	0.17
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	10	0.17
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	12	0.17
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	12	0.17
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	5	0.17
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	17	0.17
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB2	8	0.17
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB3	8	0.17
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	2	0.17
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	6	0.17
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	13	0.17
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	13	0.17
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	18	0.17
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	18	0.17
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	1	0.17
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	1	0.17
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	9	0.17
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	9	0.17
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	16	0.17
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	16	0.17
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	18	0.17
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	18	0.17
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	16	0.17
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	16	0.17
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	18	0.17
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	18	0.17
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	19	0.17
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	19	0.17
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	5	0.17
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	5	0.17
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	10	0.17
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	10	0.17
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	14	0.17
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	14	0.17
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	5	0.17
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	5	0.17
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	10	0.17
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	10	0.17
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	14	0.17
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	14	0.17
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	13	0.17
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	13	0.17
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	6	0.17
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	6	0.17
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	6	0.17
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	10	0.17
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	10	0.17
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	16	0.17
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	16	0.17
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	10	0.17
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	10	0.17
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	16	0.17
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	5	0.17
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	5	0.17
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	5	0.17
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	5	0.17
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	5	0.17
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	5	0.17
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	8	0.17
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	8	0.17
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	17	0.17
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	17	0.17
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	9	0.17
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	9	0.17
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	13	0.17
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	13	0.17
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	11	0.17
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	11	0.17
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	13	0.17
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	13	0.17
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	18	0.17
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	18	0.17
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	18	0.17
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	18	0.17
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	18	0.17
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	18	0.17
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	17	0.17
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	17	0.17
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	15	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	2	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	5	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	9	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	12	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	13	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	14	0.17
(6,702)	1:93:A:SER:H	1:93:A:SER:HA	18	0.17
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	18	0.17
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	18	0.17
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	17	0.17
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	20	0.17
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	17	0.17
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	17	0.17
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	17	0.17
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	17	0.17
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	17	0.17
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	10	0.17
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	2	0.17
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	1	0.17
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	10	0.17
(6,626)	1:104:A:ASP:HB2	1:104:A:ASP:H	12	0.17
(6,626)	1:104:A:ASP:HB3	1:104:A:ASP:H	12	0.17
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	2	0.17
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	13	0.17
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG2	1	0.17
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG3	1	0.17
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	13	0.17
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	13	0.17
(6,579)	1:109:A:ILE:HB	1:109:A:ILE:H	17	0.17
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	10	0.17
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	17	0.17
(6,562)	1:114:A:LEU:HB2	1:111:A:LEU:H	10	0.17
(6,562)	1:114:A:LEU:HB3	1:111:A:LEU:H	10	0.17
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	14	0.17
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	15	0.17
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	15	0.17
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	15	0.17
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG2	3	0.17
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG3	3	0.17
(6,513)	1:114:A:LEU:HG	1:116:A:GLU:H	13	0.17
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	1	0.17
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	1	0.17
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	3	0.17
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	3	0.17
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	12	0.17
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	12	0.17
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	14	0.17
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	14	0.17
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	3	0.17
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	3	0.17
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	20	0.17
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	20	0.17
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	1	0.17
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	1	0.17
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	2	0.17
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	8	0.17
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	8	0.17
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	10	0.17
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	10	0.17
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	12	0.17
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	12	0.17
(6,463)	1:93:A:SER:HB2	1:93:A:SER:H	13	0.17
(6,463)	1:93:A:SER:HB3	1:93:A:SER:H	13	0.17
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	13	0.17
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	13	0.17
(6,445)	1:123:A:ASP:HB2	1:123:A:ASP:H	16	0.17
(6,445)	1:123:A:ASP:HB3	1:123:A:ASP:H	16	0.17
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	12	0.17
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	12	0.17
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	20	0.17
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	20	0.17
(6,381)	1:129:A:GLN:HG2	1:129:A:GLN:H	2	0.17
(6,381)	1:129:A:GLN:HG3	1:129:A:GLN:H	2	0.17
(6,381)	1:129:A:GLN:HG2	1:129:A:GLN:H	6	0.17
(6,381)	1:129:A:GLN:HG3	1:129:A:GLN:H	6	0.17
(6,365)	1:129:A:GLN:HG2	1:130:A:VAL:H	4	0.17
(6,365)	1:129:A:GLN:HG3	1:130:A:VAL:H	4	0.17
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	3	0.17
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	4	0.17
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	8	0.17
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	1	0.17
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	1	0.17
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	10	0.17
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	10	0.17
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	3	0.17
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	3	0.17
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	8	0.17
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	8	0.17
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	10	0.17
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	10	0.17
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	3	0.17
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	3	0.17
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	8	0.17
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	8	0.17
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	10	0.17
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	10	0.17
(6,197)	1:34:A:ASP:HB2	1:34:A:ASP:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,197)	1:34:A:ASP:HB3	1:34:A:ASP:H	17	0.17
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	13	0.17
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	13	0.17
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	9	0.17
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	9	0.17
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	4	0.17
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	4	0.17
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	16	0.17
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	16	0.17
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	18	0.17
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	18	0.17
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	4	0.17
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	4	0.17
(6,162)	1:16:A:LYS:HG2	1:16:A:LYS:H	8	0.17
(6,162)	1:16:A:LYS:HG3	1:16:A:LYS:H	8	0.17
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	2	0.17
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	7	0.17
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	7	0.17
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	7	0.17
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	8	0.17
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	15	0.17
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	20	0.17
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	1	0.17
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	12	0.17
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	7	0.17
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	20	0.17
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	1	0.17
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	6	0.17
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	11	0.17
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	11	0.17
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	11	0.17
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	11	0.17
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	13	0.17
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	13	0.17
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	13	0.17
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	13	0.17
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	18	0.17
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	18	0.17
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	18	0.17
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	18	0.17
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	11	0.17
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	11	0.17
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	11	0.17
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	13	0.17
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	13	0.17
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	13	0.17
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	13	0.17
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	18	0.17
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	18	0.17
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	18	0.17
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	18	0.17
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	11	0.17
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	11	0.17
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	11	0.17
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	11	0.17
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	13	0.17
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	13	0.17
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	13	0.17
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	13	0.17
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	18	0.17
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	18	0.17
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	18	0.17
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	18	0.17
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	11	0.17
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	11	0.17
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	11	0.17
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	11	0.17
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	13	0.17
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	13	0.17
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	13	0.17
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	13	0.17
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	18	0.17
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	18	0.17
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	18	0.17
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	18	0.17
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	5	0.17
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	5	0.17
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	5	0.17
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	5	0.17
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	5	0.17
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	5	0.17
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	14	0.17
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	14	0.17
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	14	0.17
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	14	0.17
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	14	0.17
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	18	0.17
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	18	0.17
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	18	0.17
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	18	0.17
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	18	0.17
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	18	0.17
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	2	0.17
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	2	0.17
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	2	0.17
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	2	0.17
(4,3170)	1:91:A:PRO:HD2	1:90:A:LYS:HA	20	0.17
(4,3170)	1:91:A:PRO:HD3	1:90:A:LYS:HA	20	0.17
(4,3169)	1:91:A:PRO:HD2	1:90:A:LYS:HA	20	0.17
(4,3169)	1:91:A:PRO:HD3	1:90:A:LYS:HA	20	0.17
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	3	0.17
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	3	0.17
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	3	0.17
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	3	0.17
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	1	0.17
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	1	0.17
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	1	0.17
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	7	0.17
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	7	0.17
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	7	0.17
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	13	0.17
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	13	0.17
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	13	0.17
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	13	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	1	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	1	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	1	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	1	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	3	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	3	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	3	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	3	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	10	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	10	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	10	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	14	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	14	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	14	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	14	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG2	20	0.17
(4,3137)	1:108:A:LYS:HD2	1:108:A:LYS:HG3	20	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG2	20	0.17
(4,3137)	1:108:A:LYS:HD3	1:108:A:LYS:HG3	20	0.17
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	15	0.17
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	15	0.17
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	15	0.17
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	15	0.17
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	13	0.17
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	13	0.17
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	13	0.17
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	13	0.17
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	13	0.17
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	13	0.17
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	13	0.17
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	13	0.17
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	13	0.17
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	13	0.17
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	13	0.17
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	13	0.17
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	4	0.17
(4,3123)	1:98:A:LYS:HD2	1:98:A:LYS:HG3	4	0.17
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG2	4	0.17
(4,3123)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	4	0.17
(4,3118)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	4	0.17
(4,3118)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	4	0.17
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	7	0.17
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	7	0.17
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	13	0.17
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	13	0.17
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	16	0.17
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	16	0.17
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD2	19	0.17
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD3	19	0.17
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD2	19	0.17
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	7	0.17
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	7	0.17
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	7	0.17
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	7	0.17
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	3	0.17
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	3	0.17
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	8	0.17
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	8	0.17
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	20	0.17
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	20	0.17
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	8	0.17
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	8	0.17
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	20	0.17
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	20	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	1	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	1	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	1	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	1	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	1	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	1	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	5	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	5	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	5	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	5	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	5	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	5	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	6	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	6	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	6	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	6	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	6	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	6	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	9	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	9	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	9	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	9	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	9	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	9	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	10	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	10	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	10	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	10	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	10	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	14	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	14	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	14	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	14	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	14	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	14	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	15	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	15	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	15	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	15	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	15	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	15	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG11	17	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG12	17	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG13	17	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG21	17	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG22	17	0.17
(4,2934)	1:141:A:VAL:HB	1:141:A:VAL:HG23	17	0.17
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	6	0.17
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	16	0.17
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	18	0.17
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	3	0.17
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	3	0.17
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	3	0.17
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	3	0.17
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	3	0.17
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	3	0.17
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	20	0.17
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	20	0.17
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	8	0.17
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	8	0.17
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	6	0.17
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	6	0.17
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	6	0.17
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	6	0.17
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	6	0.17
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	6	0.17
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	6	0.17
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	6	0.17
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	6	0.17
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	6	0.17
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	6	0.17
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	18	0.17
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	18	0.17
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	18	0.17
(4,2835)	1:134:A:VAL:H	1:134:A:VAL:HB	17	0.17
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	3	0.17
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	3	0.17
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	3	0.17
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	3	0.17
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	3	0.17
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	3	0.17
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	3	0.17
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	3	0.17
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	3	0.17
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	8	0.17
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	8	0.17
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	8	0.17
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	8	0.17
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	8	0.17
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	8	0.17
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	4	0.17
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	8	0.17
(4,2788)	1:132:A:ILE:HA	1:61:A:VAL:HB	19	0.17
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	3	0.17
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	3	0.17
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	3	0.17
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	3	0.17
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	3	0.17
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	3	0.17
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	3	0.17
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	3	0.17
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	3	0.17
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	14	0.17
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	14	0.17
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	14	0.17
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	14	0.17
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	14	0.17
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	14	0.17
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	14	0.17
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	14	0.17
(4,2759)	1:134:A:VAL:HG21	1:131:A:MET:HA	18	0.17
(4,2759)	1:134:A:VAL:HG22	1:131:A:MET:HA	18	0.17
(4,2759)	1:134:A:VAL:HG23	1:131:A:MET:HA	18	0.17
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	7	0.17
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	7	0.17
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	7	0.17
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	11	0.17
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG21	18	0.17
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG22	18	0.17
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG23	18	0.17
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG21	18	0.17
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG22	18	0.17
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG23	18	0.17
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	2	0.17
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	2	0.17
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	17	0.17
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	17	0.17
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	8	0.17
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	15	0.17
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	20	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	3	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	3	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	3	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	3	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	3	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	3	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	3	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	3	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	3	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	3	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	3	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	3	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	12	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	12	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	12	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	12	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	12	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	12	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	12	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	12	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	12	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	12	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	12	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	13	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	13	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	13	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	13	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	13	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	13	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	13	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	13	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	13	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	13	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	13	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	13	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	19	0.17
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	19	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	19	0.17
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	19	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	19	0.17
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	19	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	19	0.17
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	19	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	19	0.17
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	19	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	19	0.17
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	19	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	4	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	4	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	4	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	4	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	4	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	4	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	4	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	4	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	4	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	4	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	4	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	4	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD11	19	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD12	19	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD13	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD21	19	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD22	19	0.17
(4,2685)	1:113:A:TYR:HE1	1:127:A:LEU:HD23	19	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD11	19	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD12	19	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD13	19	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD21	19	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD22	19	0.17
(4,2685)	1:113:A:TYR:HE2	1:127:A:LEU:HD23	19	0.17
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	20	0.17
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	20	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	4	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	4	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	5	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	5	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	7	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	7	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	9	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	9	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	10	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	10	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	11	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	11	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	12	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	12	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	13	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	13	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	16	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	16	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	17	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	17	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB2	20	0.17
(4,2670)	1:127:A:LEU:H	1:127:A:LEU:HB3	20	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	4	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	4	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	5	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	5	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	7	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	7	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	9	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	9	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	10	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	11	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	11	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	12	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	12	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	13	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	13	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	16	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	16	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	17	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	17	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB2	20	0.17
(4,2669)	1:127:A:LEU:H	1:127:A:LEU:HB3	20	0.17
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	15	0.17
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	15	0.17
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	15	0.17
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	15	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	4	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	4	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	4	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	4	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	4	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	4	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	19	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	19	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	19	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	19	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	19	0.17
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	19	0.17
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB2	20	0.17
(4,2618)	1:124:A:LEU:HA	1:127:A:LEU:HB3	20	0.17
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	1	0.17
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	1	0.17
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	6	0.17
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	6	0.17
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	19	0.17
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	19	0.17
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	20	0.17
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	20	0.17
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	20	0.17
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	20	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	1	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	1	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	1	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	1	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	1	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	1	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	1	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	1	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	1	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	1	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	1	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	14	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	14	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	14	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	14	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	14	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	14	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	14	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	14	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	14	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	14	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	14	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	14	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	19	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	19	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	19	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	19	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	19	0.17
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	19	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	19	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	19	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	19	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	19	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	19	0.17
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	19	0.17
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	13	0.17
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	13	0.17
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	13	0.17
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	13	0.17
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	7	0.17
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	7	0.17
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	7	0.17
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	7	0.17
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	7	0.17
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	4	0.17
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	4	0.17
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	4	0.17
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	4	0.17
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	4	0.17
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	4	0.17
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG21	10	0.17
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG22	10	0.17
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG23	10	0.17
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG21	10	0.17
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG22	10	0.17
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG23	10	0.17
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG21	10	0.17
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG22	10	0.17
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG23	10	0.17
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	18	0.17
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	18	0.17
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	18	0.17
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG2	15	0.17
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG3	15	0.17
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG2	15	0.17
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG3	15	0.17
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG2	15	0.17
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG3	15	0.17
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	18	0.17
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	18	0.17
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	18	0.17
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	18	0.17
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	18	0.17
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	18	0.17
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	7	0.17
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	7	0.17
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	2	0.17
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	2	0.17
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	2	0.17
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	2	0.17
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	2	0.17
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	2	0.17
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	19	0.17
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	19	0.17
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	8	0.17
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	8	0.17
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	8	0.17
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	8	0.17
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	8	0.17
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	8	0.17
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB2	11	0.17
(4,2349)	1:95:A:MET:HA	1:95:A:MET:HB3	11	0.17
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	20	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	2	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	2	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	4	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	4	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	7	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	7	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	13	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	13	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	16	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	16	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	19	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	19	0.17
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	20	0.17
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	20	0.17
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG11	13	0.17
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG12	13	0.17
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG13	13	0.17
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG21	13	0.17
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG22	13	0.17
(4,2320)	1:91:A:PRO:HA	1:141:A:VAL:HG23	13	0.17
(4,2287)	1:74:A:LEU:HG	1:87:A:CYS:HA	7	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	10	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	10	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	10	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	10	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	10	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	10	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	12	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	12	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	12	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	12	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	12	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	17	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	17	0.17
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	17	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	17	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	17	0.17
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	17	0.17
(4,2277)	1:88:A:PHE:HD1	1:86:A:ILE:HB	6	0.17
(4,2277)	1:88:A:PHE:HD2	1:86:A:ILE:HB	6	0.17
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	10	0.17
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB2	8	0.17
(4,2256)	1:84:A:PRO:HD2	1:83:A:ASN:HB3	8	0.17
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB2	8	0.17
(4,2256)	1:84:A:PRO:HD3	1:83:A:ASN:HB3	8	0.17
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD2	8	0.17
(4,2255)	1:83:A:ASN:HB2	1:84:A:PRO:HD3	8	0.17
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD2	8	0.17
(4,2255)	1:83:A:ASN:HB3	1:84:A:PRO:HD3	8	0.17
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	16	0.17
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	16	0.17
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	6	0.17
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	16	0.17
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	18	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD11	8	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD12	8	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD13	8	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD21	8	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD22	8	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD23	8	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD11	8	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD12	8	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD13	8	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD21	8	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD22	8	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD23	8	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD11	8	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD12	8	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD13	8	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD21	8	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD22	8	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD23	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD11	9	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD12	9	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD13	9	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD21	9	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD22	9	0.17
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD23	9	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD11	9	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD12	9	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD13	9	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD21	9	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD22	9	0.17
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD23	9	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD11	9	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD12	9	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD13	9	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD21	9	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD22	9	0.17
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD23	9	0.17
(4,2223)	1:79:A:THR:HB	1:17:A:TYR:HE1	12	0.17
(4,2223)	1:79:A:THR:HB	1:17:A:TYR:HE2	12	0.17
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	3	0.17
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	3	0.17
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	20	0.17
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	20	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	2	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	2	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	2	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	2	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	2	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	2	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	2	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	2	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	2	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	2	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	2	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	2	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	3	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	3	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	3	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	3	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	3	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	3	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	3	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	3	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	3	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	3	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	3	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	4	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	4	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	4	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	4	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	4	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	4	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	4	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	4	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	4	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	4	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	4	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	4	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	7	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	7	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	7	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	7	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	7	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	7	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	7	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	7	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	7	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	7	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	7	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	7	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	13	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	13	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	13	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	13	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	13	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	13	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	13	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	13	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	13	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	13	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	13	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	14	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	14	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	14	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	14	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	14	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	14	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	14	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	14	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	14	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	14	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	14	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	14	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	16	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	16	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	16	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	16	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	16	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	16	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	16	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	16	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	16	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	16	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	16	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	16	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	17	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	17	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	17	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	17	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	17	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	17	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	17	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	17	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	17	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	17	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	17	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	17	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	18	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	18	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	18	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	18	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	18	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	18	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	18	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	18	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	18	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	18	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	18	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	19	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	19	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	19	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	19	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	19	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	19	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	19	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	19	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	19	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	19	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	19	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	19	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	20	0.17
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	20	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	20	0.17
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	20	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	20	0.17
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	20	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	20	0.17
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	20	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	20	0.17
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	20	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	20	0.17
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	20	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	2	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	2	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	2	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	2	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	2	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	2	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	2	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	2	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	2	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	2	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	2	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	3	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	3	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	3	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	3	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	3	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	3	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	3	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	3	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	3	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	3	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	3	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	3	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	4	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	4	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	4	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	4	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	4	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	4	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	4	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	4	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	4	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	4	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	4	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	4	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	7	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	7	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	7	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	7	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	7	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	7	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	7	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	7	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	7	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	7	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	7	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	7	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	13	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	13	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	13	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	13	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	13	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	13	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	13	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	13	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	13	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	13	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	13	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	14	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	14	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	14	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	14	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	14	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	14	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	14	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	14	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	14	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	14	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	14	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	14	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	16	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	16	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	16	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	16	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	16	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	16	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	16	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	16	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	16	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	16	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	16	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	16	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	17	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	17	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	17	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	17	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	17	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	17	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	17	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	17	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	17	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	17	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	17	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	18	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	18	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	18	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	18	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	18	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	18	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	18	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	18	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	18	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	18	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	18	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	18	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	19	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	19	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	19	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	19	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	19	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	19	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	19	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	19	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	19	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	19	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	19	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	19	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	20	0.17
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	20	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	20	0.17
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	20	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	20	0.17
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	20	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	20	0.17
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	20	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	20	0.17
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	20	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	20	0.17
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	20	0.17
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	11	0.17
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	11	0.17
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	11	0.17
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	11	0.17
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	11	0.17
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	11	0.17
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	11	0.17
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	11	0.17
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	11	0.17
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	11	0.17
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	11	0.17
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	2	0.17
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	2	0.17
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	2	0.17
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	2	0.17
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	10	0.17
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	10	0.17
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	2	0.17
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	2	0.17
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	2	0.17
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	2	0.17
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	2	0.17
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	2	0.17
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	2	0.17
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	2	0.17
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	2	0.17
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	2	0.17
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	2	0.17
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	2	0.17
(4,2139)	1:54:A:ASN:HA	1:75:A:TRP:HA	20	0.17
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	1	0.17
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	1	0.17
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	1	0.17
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	1	0.17
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	1	0.17
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	1	0.17
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	1	0.17
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	1	0.17
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	1	0.17
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	1	0.17
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	1	0.17
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	1	0.17
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	1	0.17
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	1	0.17
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	1	0.17
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	1	0.17
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	1	0.17
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	1	0.17
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	1	0.17
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	1	0.17
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	1	0.17
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	1	0.17
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	1	0.17
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	1	0.17
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	1	0.17
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	1	0.17
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	1	0.17
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	1	0.17
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	1	0.17
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	1	0.17
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	1	0.17
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	1	0.17
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	1	0.17
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	1	0.17
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	1	0.17
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	11	0.17
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	9	0.17
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	9	0.17
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	9	0.17
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	13	0.17
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	13	0.17
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	13	0.17
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	13	0.17
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	13	0.17
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	13	0.17
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	18	0.17
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	18	0.17
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	18	0.17
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	18	0.17
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	18	0.17
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	18	0.17
(4,2066)	1:71:A:PRO:HB2	1:72:A:ILE:H	1	0.17
(4,2066)	1:71:A:PRO:HB3	1:72:A:ILE:H	1	0.17
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	3	0.17
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	3	0.17
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	3	0.17
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	17	0.17
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	17	0.17
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD11	8	0.17
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD12	8	0.17
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD13	8	0.17
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD11	8	0.17
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD12	8	0.17
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD13	8	0.17
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	8	0.17
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	8	0.17
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	8	0.17
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	8	0.17
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	8	0.17
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	8	0.17
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	8	0.17
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	8	0.17
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	8	0.17
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	12	0.17
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	12	0.17
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	12	0.17
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	12	0.17
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	12	0.17
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	12	0.17
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	12	0.17
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	12	0.17
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	12	0.17
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	20	0.17
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	20	0.17
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	13	0.17
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	13	0.17
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	13	0.17
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	13	0.17
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	13	0.17
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	13	0.17
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	2	0.17
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	4	0.17
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	10	0.17
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	11	0.17
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	18	0.17
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	20	0.17
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	1	0.17
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	1	0.17
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	1	0.17
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	1	0.17
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	1	0.17
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	5	0.17
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	5	0.17
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	5	0.17
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	5	0.17
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	5	0.17
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	5	0.17
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	10	0.17
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	10	0.17
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	10	0.17
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	10	0.17
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	10	0.17
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	10	0.17
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	11	0.17
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	11	0.17
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	11	0.17
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	11	0.17
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	11	0.17
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	11	0.17
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	12	0.17
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	12	0.17
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	12	0.17
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	12	0.17
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	12	0.17
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	12	0.17
(4,1954)	1:64:A:ARG:HG2	1:63:A:TYR:HA	4	0.17
(4,1954)	1:64:A:ARG:HG3	1:63:A:TYR:HA	4	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	3	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	3	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	3	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	3	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	9	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	9	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	9	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	9	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	11	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	11	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	11	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	11	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	17	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	17	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	17	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	20	0.17
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	20	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	20	0.17
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	20	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	3	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	3	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	3	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	3	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	9	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	9	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	9	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	9	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	11	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	11	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	11	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	11	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	17	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	17	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	17	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	17	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	20	0.17
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	20	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	20	0.17
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	20	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	3	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	3	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	3	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	3	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	9	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	9	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	9	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	9	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	11	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	11	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	11	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	11	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	17	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	17	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	17	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	20	0.17
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	20	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	20	0.17
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	20	0.17
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	8	0.17
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	8	0.17
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	8	0.17
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	8	0.17
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	8	0.17
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	8	0.17
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	8	0.17
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	8	0.17
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	8	0.17
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	2	0.17
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	2	0.17
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	6	0.17
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	6	0.17
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	8	0.17
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	12	0.17
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	10	0.17
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	10	0.17
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	10	0.17
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	10	0.17
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	10	0.17
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	10	0.17
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	10	0.17
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	10	0.17
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	10	0.17
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	12	0.17
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	12	0.17
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	2	0.17
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	3	0.17
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	8	0.17
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	8	0.17
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	8	0.17
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	8	0.17
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	8	0.17
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	8	0.17
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	20	0.17
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	20	0.17
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	20	0.17
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	20	0.17
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	20	0.17
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	20	0.17
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	20	0.17
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	20	0.17
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	20	0.17
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	20	0.17
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	20	0.17
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	15	0.17
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	15	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	9	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	9	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	9	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	9	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	9	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	9	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	9	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	9	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	9	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	9	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	9	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	9	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	17	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	17	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	17	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	17	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	17	0.17
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	17	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	17	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	17	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	17	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	17	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	17	0.17
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	17	0.17
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	2	0.17
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	2	0.17
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	2	0.17
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	2	0.17
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	19	0.17
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	19	0.17
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	19	0.17
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	19	0.17
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	19	0.17
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	19	0.17
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	19	0.17
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	5	0.17
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	5	0.17
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	5	0.17
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	5	0.17
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	9	0.17
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	9	0.17
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	9	0.17
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	9	0.17
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	20	0.17
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	12	0.17
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	12	0.17
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	20	0.17
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	20	0.17
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	20	0.17
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	12	0.17
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	12	0.17
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	12	0.17
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	12	0.17
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	12	0.17
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	12	0.17
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	12	0.17
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	12	0.17
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	12	0.17
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	16	0.17
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	16	0.17
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	16	0.17
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	16	0.17
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	16	0.17
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	16	0.17
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	16	0.17
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	16	0.17
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	16	0.17
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	5	0.17
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	5	0.17
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	5	0.17
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	5	0.17
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	5	0.17
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	2	0.17
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	2	0.17
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	2	0.17
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	11	0.17
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	11	0.17
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	11	0.17
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	13	0.17
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	13	0.17
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	13	0.17
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	13	0.17
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	13	0.17
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	13	0.17
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	1	0.17
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	1	0.17
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	1	0.17
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	5	0.17
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	5	0.17
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	5	0.17
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	1	0.17
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	1	0.17
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	1	0.17
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	1	0.17
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	1	0.17
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	1	0.17
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	1	0.17
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	1	0.17
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	1	0.17
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	1	0.17
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	1	0.17
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	1	0.17
(4,1513)	1:22:A:VAL:HA	1:26:A:VAL:HB	1	0.17
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	6	0.17
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	6	0.17
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	6	0.17
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	6	0.17
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	6	0.17
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	6	0.17
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	12	0.17
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	12	0.17
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	12	0.17
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG2	18	0.17
(4,1481)	1:28:A:VAL:HG21	1:24:A:GLU:HG3	18	0.17
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG2	18	0.17
(4,1481)	1:28:A:VAL:HG22	1:24:A:GLU:HG3	18	0.17
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG2	18	0.17
(4,1481)	1:28:A:VAL:HG23	1:24:A:GLU:HG3	18	0.17
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	12	0.17
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	12	0.17
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	12	0.17
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	12	0.17
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	12	0.17
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	12	0.17
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	12	0.17
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	12	0.17
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	12	0.17
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	12	0.17
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	12	0.17
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	12	0.17
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	12	0.17
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	12	0.17
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	12	0.17
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	12	0.17
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	1	0.17
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	1	0.17
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	1	0.17
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	1	0.17
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	1	0.17
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	1	0.17
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	1	0.17
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	1	0.17
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	1	0.17
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	1	0.17
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	1	0.17
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	1	0.17
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	10	0.17
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	10	0.17
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	10	0.17
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	10	0.17
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	17	0.17
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	17	0.17
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	17	0.17
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	14	0.17
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	14	0.17
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	1	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	1	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	1	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	1	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	1	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	1	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	2	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	2	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	2	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	2	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	2	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	2	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	3	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	3	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	3	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	3	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	3	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	3	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	5	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	5	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	5	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	5	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	5	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	5	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	7	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	7	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	7	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	7	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	7	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	7	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	11	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	11	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	11	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	11	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	11	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	11	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	12	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	12	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	12	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	12	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	12	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	14	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	16	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	16	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	16	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	16	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	16	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	16	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	17	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	17	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	17	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	17	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	17	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	17	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	18	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	18	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	18	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	18	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	18	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	18	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD11	20	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD12	20	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD13	20	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD21	20	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD22	20	0.17
(4,1420)	1:20:A:LEU:HG	1:20:A:LEU:HD23	20	0.17
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	14	0.17
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	14	0.17
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	14	0.17
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	14	0.17
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	14	0.17
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	14	0.17
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	14	0.17
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	14	0.17
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	14	0.17
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	14	0.17
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	14	0.17
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	1	0.17
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	1	0.17
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	1	0.17
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	1	0.17
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	1	0.17
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	1	0.17
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	1	0.17
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	1	0.17
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	1	0.17
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	1	0.17
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	1	0.17
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	1	0.17
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	1	0.17
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	1	0.17
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	1	0.17
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	1	0.17
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	1	0.17
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	1	0.17
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	16	0.17
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	16	0.17
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	14	0.17
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	14	0.17
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	14	0.17
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	14	0.17
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	14	0.17
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	14	0.17
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	13	0.17
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	13	0.17
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	18	0.17
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	18	0.17
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	18	0.17
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	18	0.17
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	1	0.17
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	1	0.17
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	1	0.17
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	1	0.17
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	1	0.17
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	1	0.17
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	1	0.17
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	1	0.17
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	1	0.17
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	1	0.17
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	1	0.17
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	10	0.17
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	10	0.17
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	10	0.17
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	10	0.17
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	12	0.17
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	12	0.17
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	12	0.17
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	12	0.17
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	14	0.17
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	14	0.17
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	14	0.17
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	14	0.17
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	5	0.17
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	5	0.17
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	7	0.17
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	7	0.17
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	7	0.17
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	7	0.17
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	7	0.17
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	7	0.17
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	7	0.17
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	7	0.17
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	7	0.17
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	7	0.17
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	7	0.17
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	7	0.17
(4,1260)	1:39:A:LEU:HG	1:11:A:MET:HA	4	0.17
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	3	0.17
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	3	0.17
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	3	0.17
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	3	0.17
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	3	0.17
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	3	0.17
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	3	0.17
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	3	0.17
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	3	0.17
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	3	0.17
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	3	0.17
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	8	0.17
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	8	0.17
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	8	0.17
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	8	0.17
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	8	0.17
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	8	0.17
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	8	0.17
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	8	0.17
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	8	0.17
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	8	0.17
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	8	0.17
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	8	0.17
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	14	0.17
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	14	0.17
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	14	0.17
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	14	0.17
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	14	0.17
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	14	0.17
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	14	0.17
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	14	0.17
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	14	0.17
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	14	0.17
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	14	0.17
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	14	0.17
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	5	0.17
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	5	0.17
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	5	0.17
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	5	0.17
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	5	0.17
(4,1170)	1:7:A:GLN:HB2	1:4:A:SER:HB2	16	0.17
(4,1170)	1:7:A:GLN:HB2	1:4:A:SER:HB3	16	0.17
(4,1170)	1:7:A:GLN:HB3	1:4:A:SER:HB2	16	0.17
(4,1170)	1:7:A:GLN:HB3	1:4:A:SER:HB3	16	0.17
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	8	0.17
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	8	0.17
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	14	0.17
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	14	0.17
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	14	0.17
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	14	0.17
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	14	0.17
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	14	0.17
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	14	0.17
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	14	0.17
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	14	0.17
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	1	0.17
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	7	0.17
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	7	0.17
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG12	15	0.17
(4,1093)	1:132:A:ILE:HA	1:132:A:ILE:HG13	15	0.17
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	7	0.17
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	7	0.17
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG12	15	0.17
(4,1092)	1:132:A:ILE:HA	1:132:A:ILE:HG13	15	0.17
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	6	0.17
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	6	0.17
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	6	0.17
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	6	0.17
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	6	0.17
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	17	0.17
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	17	0.17
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB2	4	0.17
(4,1039)	1:129:A:GLN:HA	1:129:A:GLN:HB3	4	0.17
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	9	0.17
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	9	0.17
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	10	0.17
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	10	0.17
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	2	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	2	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	2	0.17
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	3	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	3	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	3	0.17
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	8	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	8	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	8	0.17
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	11	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	11	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	11	0.17
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	13	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	13	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	18	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	18	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	18	0.17
(4,1034)	1:128:A:ILE:HG21	1:128:A:ILE:HA	20	0.17
(4,1034)	1:128:A:ILE:HG22	1:128:A:ILE:HA	20	0.17
(4,1034)	1:128:A:ILE:HG23	1:128:A:ILE:HA	20	0.17
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	4	0.17
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	4	0.17
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	9	0.17
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	9	0.17
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG12	15	0.17
(4,1015)	1:128:A:ILE:HA	1:128:A:ILE:HG13	15	0.17
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	4	0.17
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	4	0.17
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	9	0.17
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	9	0.17
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG12	15	0.17
(4,1014)	1:128:A:ILE:HA	1:128:A:ILE:HG13	15	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	1	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	1	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	5	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	5	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	9	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	9	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	10	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	10	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	15	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	15	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	19	0.17
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	19	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	1	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	1	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	5	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	5	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	9	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	9	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	10	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	10	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	15	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	15	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	19	0.17
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	1	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	1	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	7	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	7	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	9	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	9	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	18	0.17
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	18	0.17
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	5	0.17
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	5	0.17
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	8	0.17
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	8	0.17
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	9	0.17
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	9	0.17
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	1	0.17
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	1	0.17
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	1	0.17
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	1	0.17
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	1	0.17
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	1	0.17
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	1	0.17
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	1	0.17
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	1	0.17
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	1	0.17
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	1	0.17
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	1	0.17
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	13	0.17
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	13	0.17
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	13	0.17
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	13	0.17
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	13	0.17
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	13	0.17
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	13	0.17
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	13	0.17
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	13	0.17
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	13	0.17
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	13	0.17
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	13	0.17
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	17	0.17
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	17	0.17
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	17	0.17
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	17	0.17
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	17	0.17
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	17	0.17
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	17	0.17
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	17	0.17
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	17	0.17
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	17	0.17
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	17	0.17
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	9	0.17
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	1	0.17
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	1	0.17
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	1	0.17
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	1	0.17
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	1	0.17
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	1	0.17
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	1	0.17
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	1	0.17
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	1	0.17
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	1	0.17
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	1	0.17
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	1	0.17
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	13	0.17
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	13	0.17
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	13	0.17
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	13	0.17
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	13	0.17
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	13	0.17
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	13	0.17
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	13	0.17
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	13	0.17
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	13	0.17
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	13	0.17
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	13	0.17
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	17	0.17
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	17	0.17
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	17	0.17
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	17	0.17
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	17	0.17
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	17	0.17
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	17	0.17
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	17	0.17
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	17	0.17
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	17	0.17
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	17	0.17
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	20	0.17
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	20	0.17
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	20	0.17
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	20	0.17
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	1	0.17
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	1	0.17
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	1	0.17
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	1	0.17
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	16	0.17
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	16	0.17
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	18	0.17
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	18	0.17
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	5	0.17
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	5	0.17
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	12	0.17
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	12	0.17
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	15	0.17
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	15	0.17
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	5	0.17
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	5	0.17
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	12	0.17
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	12	0.17
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	15	0.17
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	15	0.17
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	4	0.17
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	4	0.17
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	4	0.17
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	4	0.17
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	4	0.17
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	4	0.17
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	15	0.17
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	15	0.17
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	15	0.17
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	15	0.17
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	15	0.17
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	15	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	1	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	1	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	1	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	2	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	2	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	2	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	2	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	3	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	3	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	3	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	3	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	5	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	5	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	5	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	5	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	7	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	7	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	7	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	7	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	10	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	10	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	10	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	10	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	11	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	11	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	11	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	11	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	12	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	12	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	12	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	12	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	13	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	13	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	13	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	13	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	14	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	14	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	14	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	14	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	15	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	15	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	15	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	15	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	17	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	17	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	17	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	18	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	18	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	18	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	18	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	19	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	19	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	19	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	19	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	20	0.17
(4,859)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	20	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	20	0.17
(4,859)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	20	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	1	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	1	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	1	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	1	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	2	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	2	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	2	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	2	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	3	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	3	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	3	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	3	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	5	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	5	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	5	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	5	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	7	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	7	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	7	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	7	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	10	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	10	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	10	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	10	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	11	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	11	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	11	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	12	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	12	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	12	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	12	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	13	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	13	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	13	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	13	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	14	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	14	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	14	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	14	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	15	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	15	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	15	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	15	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	17	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	17	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	17	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	17	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	18	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	18	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	18	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	18	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	19	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	19	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	19	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	19	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	20	0.17
(4,854)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	20	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	20	0.17
(4,854)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	20	0.17
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	7	0.17
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	7	0.17
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG12	20	0.17
(4,841)	1:97:A:ILE:HA	1:97:A:ILE:HG13	20	0.17
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	5	0.17
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	5	0.17
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	10	0.17
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	10	0.17
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	5	0.17
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	10	0.17
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	10	0.17
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	3	0.17
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	3	0.17
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	15	0.17
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	15	0.17
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	18	0.17
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	18	0.17
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	15	0.17
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	15	0.17
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	18	0.17
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	18	0.17
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	15	0.17
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	15	0.17
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	18	0.17
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	18	0.17
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	15	0.17
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	15	0.17
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	18	0.17
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	18	0.17
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	4	0.17
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	4	0.17
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	4	0.17
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	4	0.17
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	5	0.17
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	5	0.17
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	18	0.17
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	18	0.17
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	9	0.17
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	9	0.17
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	17	0.17
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	17	0.17
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	19	0.17
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	19	0.17
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	15	0.17
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	15	0.17
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	15	0.17
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	15	0.17
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	15	0.17
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	4	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	4	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	4	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	4	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	4	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	4	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	4	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	4	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	4	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	4	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	4	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	10	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	10	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	10	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	10	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	10	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	10	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	10	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	10	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	10	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	10	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	10	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	10	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	15	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	15	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	15	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	15	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	15	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	15	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	15	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	16	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	16	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	16	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	16	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	16	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	16	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	16	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	16	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	16	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	16	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	16	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	20	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	20	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	20	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	20	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	20	0.17
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	20	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	20	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	20	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	20	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	20	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	20	0.17
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	20	0.17
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	12	0.17
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	12	0.17
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	12	0.17
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	17	0.17
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	17	0.17
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	17	0.17
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	14	0.17
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	14	0.17
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	14	0.17
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	14	0.17
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	14	0.17
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	14	0.17
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	14	0.17
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	14	0.17
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	3	0.17
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	3	0.17
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	18	0.17
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	18	0.17
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	16	0.17
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	16	0.17
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	16	0.17
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	16	0.17
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	16	0.17
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	16	0.17
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	14	0.17
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	16	0.17
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	16	0.17
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	14	0.17
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	14	0.17
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	16	0.17
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	16	0.17
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	3	0.17
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	3	0.17
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	3	0.17
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	17	0.17
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	17	0.17
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	11	0.17
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	11	0.17
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	1	0.17
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	1	0.17
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	5	0.17
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	5	0.17
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	13	0.17
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	13	0.17
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	17	0.17
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	17	0.17
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	18	0.17
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	18	0.17
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	1	0.17
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	1	0.17
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	1	0.17
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	1	0.17
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	1	0.17
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	1	0.17
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	8	0.17
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	8	0.17
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	8	0.17
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	8	0.17
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	8	0.17
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	8	0.17
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	14	0.17
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	14	0.17
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	14	0.17
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	14	0.17
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	14	0.17
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	17	0.17
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	17	0.17
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	17	0.17
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	17	0.17
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	17	0.17
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	17	0.17
(4,491)	1:43:A:VAL:HG11	1:43:A:VAL:HB	18	0.17
(4,491)	1:43:A:VAL:HG12	1:43:A:VAL:HB	18	0.17
(4,491)	1:43:A:VAL:HG13	1:43:A:VAL:HB	18	0.17
(4,491)	1:43:A:VAL:HG21	1:43:A:VAL:HB	18	0.17
(4,491)	1:43:A:VAL:HG22	1:43:A:VAL:HB	18	0.17
(4,491)	1:43:A:VAL:HG23	1:43:A:VAL:HB	18	0.17
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	6	0.17
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	6	0.17
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB2	15	0.17
(4,481)	1:40:A:ASP:HA	1:40:A:ASP:HB3	15	0.17
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	10	0.17
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	10	0.17
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	10	0.17
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	10	0.17
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	10	0.17
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	10	0.17
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	9	0.17
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	9	0.17
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	10	0.17
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	10	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	5	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	5	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	5	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	5	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	5	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	5	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	5	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	5	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	5	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	5	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	5	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	5	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	12	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	12	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	12	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	12	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	12	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	12	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	12	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	12	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	12	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	12	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	12	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD11	17	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD12	17	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD13	17	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD21	17	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD22	17	0.17
(4,408)	1:31:A:LEU:HB2	1:31:A:LEU:HD23	17	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD11	17	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD12	17	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD13	17	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD21	17	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD22	17	0.17
(4,408)	1:31:A:LEU:HB3	1:31:A:LEU:HD23	17	0.17
(4,404)	1:31:A:LEU:HD11	1:31:A:LEU:HG	19	0.17
(4,404)	1:31:A:LEU:HD12	1:31:A:LEU:HG	19	0.17
(4,404)	1:31:A:LEU:HD13	1:31:A:LEU:HG	19	0.17
(4,404)	1:31:A:LEU:HD21	1:31:A:LEU:HG	19	0.17
(4,404)	1:31:A:LEU:HD22	1:31:A:LEU:HG	19	0.17
(4,404)	1:31:A:LEU:HD23	1:31:A:LEU:HG	19	0.17
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	18	0.17
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	1	0.17
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	7	0.17
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	11	0.17
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	12	0.17
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	12	0.17
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	12	0.17
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	12	0.17
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	12	0.17
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	12	0.17
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	12	0.17
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	12	0.17
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	4	0.17
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	4	0.17
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	2	0.17
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	2	0.17
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	2	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	8	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	8	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	10	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	10	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	11	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	11	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	19	0.17
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	19	0.17
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	15	0.17
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	15	0.17
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	15	0.17
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	15	0.17
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	15	0.17
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	15	0.17
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	15	0.17
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	15	0.17
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	15	0.17
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	15	0.17
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	15	0.17
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	15	0.17
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	6	0.17
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	6	0.17
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	6	0.17
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	6	0.17
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	6	0.17
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	6	0.17
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	6	0.17
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	6	0.17
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	6	0.17
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	6	0.17
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	6	0.17
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	6	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	1	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	1	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	1	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	1	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	2	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	2	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	2	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	3	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	3	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	3	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	3	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	5	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	5	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	5	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	5	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	7	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	7	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	7	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	7	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	10	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	10	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	10	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	10	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	11	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	11	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	11	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	11	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	12	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	12	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	12	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	12	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	13	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	13	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	13	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	13	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	14	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	14	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	14	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	14	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	15	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	15	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	15	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	15	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	17	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	17	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	17	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	17	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	18	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	18	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	18	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	19	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	19	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	19	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	19	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB2	20	0.17
(4,114)	1:101:A:LYS:HG2	1:101:A:LYS:HB3	20	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB2	20	0.17
(4,114)	1:101:A:LYS:HG3	1:101:A:LYS:HB3	20	0.17
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	6	0.17
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	6	0.17
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	6	0.17
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	6	0.17
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	8	0.17
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	8	0.17
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	8	0.17
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	8	0.17
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	8	0.17
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	8	0.17
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	8	0.17
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	8	0.17
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	16	0.17
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	16	0.17
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	16	0.17
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	16	0.17
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	19	0.17
(4,58)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	19	0.17
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	19	0.17
(4,58)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	19	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	7	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	7	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	7	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	7	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	7	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	7	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	7	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	7	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	7	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	7	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	7	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	11	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	11	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	11	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	11	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	11	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	11	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	11	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	11	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	11	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	11	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	11	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	11	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	19	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	19	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	19	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	19	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	19	0.17
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	19	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	19	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	19	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	19	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	19	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	19	0.17
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	19	0.17
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	2	0.17
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	2	0.17
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	2	0.17
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	2	0.17
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	7	0.17
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	7	0.17
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	7	0.17
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	7	0.17
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD2	17	0.17
(4,28)	1:108:A:LYS:HE2	1:108:A:LYS:HD3	17	0.17
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD2	17	0.17
(4,28)	1:108:A:LYS:HE3	1:108:A:LYS:HD3	17	0.17
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	8	0.17
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	8	0.17
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	8	0.17
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	8	0.17
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	8	0.17
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	8	0.17
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	8	0.17
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	8	0.17
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	19	0.17
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	19	0.17
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	19	0.17
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	19	0.17
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	19	0.17
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	19	0.17
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	19	0.17
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	19	0.17
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	19	0.17
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE1	4	0.17
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE2	4	0.17
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE3	4	0.17
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE1	4	0.17
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE2	4	0.17
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE3	4	0.17
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE1	4	0.17
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE2	4	0.17
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE3	4	0.17
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	15	0.17
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	15	0.17
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	15	0.17
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	15	0.17
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	15	0.17
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	15	0.17
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	7	0.17
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	7	0.17
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	7	0.17
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	7	0.17
(1,61)	1:74:A:LEU:O	1:55:A:LEU:H	17	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	1	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	2	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	3	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	9	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	15	0.17
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	20	0.17
(1,39)	1:50:A:ARG:O	1:42:A:TYR:H	16	0.17
(1,6)	1:6:A:SER:O	1:10:A:LYS:H	1	0.17
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	3	0.16
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	2	0.16
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	2	0.16
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	11	0.16
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	11	0.16
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	7	0.16
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	7	0.16
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	8	0.16
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	8	0.16
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	3	0.16
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	3	0.16
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	15	0.16
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	15	0.16
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	9	0.16
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	8	0.16
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	17	0.16
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	9	0.16
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	9	0.16
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	7	0.16
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	7	0.16
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	7	0.16
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	7	0.16
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	9	0.16
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	9	0.16
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	9	0.16
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	9	0.16
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	7	0.16
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	7	0.16
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	7	0.16
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	7	0.16
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	9	0.16
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	9	0.16
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	9	0.16
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	9	0.16
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	7	0.16
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	7	0.16
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	7	0.16
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	7	0.16
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	9	0.16
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	9	0.16
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	9	0.16
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	9	0.16
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	11	0.16
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	11	0.16
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	11	0.16
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	17	0.16
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	17	0.16
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	17	0.16
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	17	0.16
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	14	0.16
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	14	0.16
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	8	0.16
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	8	0.16
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	8	0.16
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	8	0.16
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	10	0.16
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	10	0.16
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	10	0.16
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	10	0.16
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	11	0.16
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	11	0.16
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	11	0.16
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	11	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	8	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	8	0.16
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	8	0.16
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	8	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	10	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	10	0.16
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	10	0.16
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	10	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	11	0.16
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	11	0.16
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	11	0.16
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	11	0.16
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	8	0.16
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	8	0.16
(6,1237)	1:22:A:VAL:HG11	1:13:A:SER:H	11	0.16
(6,1237)	1:22:A:VAL:HG12	1:13:A:SER:H	11	0.16
(6,1237)	1:22:A:VAL:HG13	1:13:A:SER:H	11	0.16
(6,1237)	1:22:A:VAL:HG21	1:13:A:SER:H	11	0.16
(6,1237)	1:22:A:VAL:HG22	1:13:A:SER:H	11	0.16
(6,1237)	1:22:A:VAL:HG23	1:13:A:SER:H	11	0.16
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	14	0.16
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	18	0.16
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	18	0.16
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	4	0.16
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	4	0.16
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	9	0.16
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	9	0.16
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	3	0.16
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	20	0.16
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	20	0.16
(6,1189)	1:44:A:PHE:HA	1:45:A:ASN:H	3	0.16
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	3	0.16
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	18	0.16
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	1	0.16
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	5	0.16
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	14	0.16
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	19	0.16
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	20	0.16
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	14	0.16
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	14	0.16
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	18	0.16
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	18	0.16
(6,1137)	1:23:A:ARG:HB2	1:25:A:THR:H	7	0.16
(6,1137)	1:23:A:ARG:HB3	1:25:A:THR:H	7	0.16
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	5	0.16
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	5	0.16
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	5	0.16
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	5	0.16
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	5	0.16
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	5	0.16
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	12	0.16
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	12	0.16
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	5	0.16
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	5	0.16
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	16	0.16
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	16	0.16
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	16	0.16
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	16	0.16
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	16	0.16
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	16	0.16
(6,994)	1:45:A:ASN:HA	1:44:A:PHE:H	16	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,959)	1:49:A:SER:H	1:48:A:SER:H	4	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	6	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	10	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	12	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	14	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	15	0.16
(6,959)	1:49:A:SER:H	1:48:A:SER:H	20	0.16
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	11	0.16
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	11	0.16
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	17	0.16
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	17	0.16
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	1	0.16
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	7	0.16
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	19	0.16
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB2	3	0.16
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB3	3	0.16
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB2	17	0.16
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB3	17	0.16
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	12	0.16
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	12	0.16
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	2	0.16
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	2	0.16
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	7	0.16
(6,936)	1:52:A:LEU:H	1:50:A:ARG:HA	13	0.16
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	18	0.16
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	18	0.16
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	14	0.16
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	3	0.16
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	3	0.16
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	3	0.16
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	18	0.16
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	18	0.16
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	1	0.16
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	1	0.16
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	16	0.16
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	16	0.16
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	3	0.16
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	3	0.16
(6,899)	1:59:A:ILE:HG12	1:59:A:ILE:H	10	0.16
(6,899)	1:59:A:ILE:HG13	1:59:A:ILE:H	10	0.16
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	4	0.16
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	14	0.16
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	20	0.16
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG2	1	0.16
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG3	1	0.16
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	5	0.16
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	5	0.16
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	8	0.16
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	8	0.16
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	16	0.16
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	16	0.16
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	5	0.16
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	5	0.16
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	14	0.16
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	14	0.16
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	1	0.16
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	1	0.16
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	2	0.16
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	2	0.16
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	6	0.16
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	6	0.16
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	17	0.16
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	17	0.16
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	6	0.16
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	6	0.16
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	17	0.16
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	17	0.16
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	18	0.16
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	18	0.16
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	3	0.16
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	3	0.16
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	3	0.16
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	3	0.16
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	3	0.16
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	3	0.16
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	3	0.16
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	3	0.16
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	9	0.16
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	9	0.16
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	6	0.16
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	20	0.16
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	20	0.16
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	16	0.16
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	3	0.16
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	13	0.16
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	17	0.16
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	5	0.16
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	5	0.16
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	12	0.16
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	12	0.16
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	12	0.16
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	12	0.16
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	12	0.16
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	12	0.16
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	4	0.16
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	8	0.16
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	6	0.16
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	19	0.16
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	2	0.16
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	2	0.16
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	2	0.16
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	2	0.16
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	5	0.16
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	5	0.16
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	14	0.16
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	14	0.16
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	20	0.16
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	20	0.16
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	17	0.16
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	9	0.16
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	9	0.16
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	3	0.16
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	3	0.16
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	3	0.16
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	11	0.16
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	11	0.16
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	1	0.16
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	7	0.16
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	12	0.16
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG2	13	0.16
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG3	13	0.16
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	15	0.16
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	15	0.16
(6,570)	1:109:A:ILE:HG21	1:110:A:TYR:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,570)	1:109:A:ILE:HG22	1:110:A:TYR:H	10	0.16
(6,570)	1:109:A:ILE:HG23	1:110:A:TYR:H	10	0.16
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	4	0.16
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	8	0.16
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	10	0.16
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	11	0.16
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	19	0.16
(6,559)	1:110:A:TYR:HA	1:111:A:LEU:H	10	0.16
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	15	0.16
(6,515)	1:52:A:LEU:HD21	1:78:A:ASP:H	15	0.16
(6,515)	1:52:A:LEU:HD22	1:78:A:ASP:H	15	0.16
(6,515)	1:52:A:LEU:HD23	1:78:A:ASP:H	15	0.16
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	13	0.16
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	13	0.16
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	13	0.16
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	13	0.16
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	13	0.16
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	13	0.16
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	17	0.16
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	17	0.16
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	7	0.16
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	7	0.16
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	17	0.16
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	17	0.16
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	6	0.16
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	6	0.16
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	9	0.16
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	12	0.16
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	14	0.16
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	8	0.16
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	8	0.16
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	12	0.16
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	12	0.16
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	7	0.16
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	7	0.16
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	11	0.16
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	11	0.16
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	18	0.16
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	18	0.16
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	18	0.16
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	18	0.16
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	5	0.16
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	7	0.16
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	10	0.16
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	18	0.16
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	18	0.16
(6,279)	1:141:A:VAL:HG11	1:142:A:PHE:H	3	0.16
(6,279)	1:141:A:VAL:HG12	1:142:A:PHE:H	3	0.16
(6,279)	1:141:A:VAL:HG13	1:142:A:PHE:H	3	0.16
(6,279)	1:141:A:VAL:HG21	1:142:A:PHE:H	3	0.16
(6,279)	1:141:A:VAL:HG22	1:142:A:PHE:H	3	0.16
(6,279)	1:141:A:VAL:HG23	1:142:A:PHE:H	3	0.16
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	2	0.16
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	2	0.16
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	2	0.16
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	2	0.16
(6,262)	1:104:A:ASP:HB2	1:105:A:ALA:H	12	0.16
(6,262)	1:104:A:ASP:HB3	1:105:A:ALA:H	12	0.16
(6,193)	1:19:A:ASP:HB2	1:19:A:ASP:H	10	0.16
(6,193)	1:19:A:ASP:HB3	1:19:A:ASP:H	10	0.16
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	12	0.16
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	12	0.16
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	14	0.16
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	14	0.16
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	8	0.16
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	8	0.16
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	2	0.16
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	2	0.16
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	14	0.16
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	14	0.16
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	16	0.16
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	16	0.16
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	18	0.16
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	18	0.16
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	20	0.16
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	20	0.16
(6,158)	1:78:A:ASP:HB2	1:16:A:LYS:H	6	0.16
(6,158)	1:78:A:ASP:HB3	1:16:A:LYS:H	6	0.16
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	6	0.16
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	6	0.16
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	8	0.16
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	8	0.16
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	9	0.16
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	20	0.16
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	20	0.16
(6,125)	1:51:A:GLU:HG2	1:13:A:SER:H	11	0.16
(6,125)	1:51:A:GLU:HG3	1:13:A:SER:H	11	0.16
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	16	0.16
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	16	0.16
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	16	0.16
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	16	0.16
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	16	0.16
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	16	0.16
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	3	0.16
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	16	0.16
(6,41)	1:5:A:GLU:HG2	1:6:A:SER:H	18	0.16
(6,41)	1:5:A:GLU:HG3	1:6:A:SER:H	18	0.16
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	6	0.16
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	2	0.16
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	20	0.16
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	9	0.16
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	9	0.16
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	9	0.16
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	9	0.16
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	9	0.16
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	9	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	1	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	1	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	1	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	1	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	2	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	2	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	2	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	2	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	8	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	8	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	8	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	8	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	9	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	9	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	9	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	9	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	14	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	14	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	14	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	16	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	16	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	16	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	16	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	17	0.16
(4,3187)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	17	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	17	0.16
(4,3187)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	17	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	1	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	1	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	1	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	1	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	2	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	2	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	2	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	2	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	8	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	8	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	8	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	8	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	9	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	9	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	9	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	9	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	14	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	14	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	14	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	14	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	16	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	16	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	16	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	16	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	17	0.16
(4,3186)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	17	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	17	0.16
(4,3186)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	17	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	1	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	1	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	1	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	2	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	2	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	2	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	2	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	8	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	8	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	8	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	8	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	9	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	9	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	9	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	9	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	14	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	14	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	14	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	14	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	16	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	16	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	16	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	16	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	17	0.16
(4,3185)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	17	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	17	0.16
(4,3185)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	17	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	1	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	1	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	1	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	1	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	2	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	2	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	2	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	2	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	8	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	8	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	8	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	8	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	9	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	9	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	9	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	9	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	14	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	14	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	14	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	16	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	16	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	16	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	16	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD2	17	0.16
(4,3184)	1:90:A:LYS:HE2	1:90:A:LYS:HD3	17	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD2	17	0.16
(4,3184)	1:90:A:LYS:HE3	1:90:A:LYS:HD3	17	0.16
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	16	0.16
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	16	0.16
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	16	0.16
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	16	0.16
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	16	0.16
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	16	0.16
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	16	0.16
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	16	0.16
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	16	0.16
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	16	0.16
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	16	0.16
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	16	0.16
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	8	0.16
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	8	0.16
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	20	0.16
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	20	0.16
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	6	0.16
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	6	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	5	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	5	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	5	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	8	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	8	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	8	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	12	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	12	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	12	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	17	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	17	0.16
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	17	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	1	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	1	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	1	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	3	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	3	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	3	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	3	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	5	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	5	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	5	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	5	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	19	0.16
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	19	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	19	0.16
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	19	0.16
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	15	0.16
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	15	0.16
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	15	0.16
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	15	0.16
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	10	0.16
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	10	0.16
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	10	0.16
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	10	0.16
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	18	0.16
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	18	0.16
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	18	0.16
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	18	0.16
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	10	0.16
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	10	0.16
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	10	0.16
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	10	0.16
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	18	0.16
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	18	0.16
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	18	0.16
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	18	0.16
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	10	0.16
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	10	0.16
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	10	0.16
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	10	0.16
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	18	0.16
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	18	0.16
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	18	0.16
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	4	0.16
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	4	0.16
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	1	0.16
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	1	0.16
(4,3046)	1:29:A:ILE:HD11	1:36:A:LYS:HA	13	0.16
(4,3046)	1:29:A:ILE:HD12	1:36:A:LYS:HA	13	0.16
(4,3046)	1:29:A:ILE:HD13	1:36:A:LYS:HA	13	0.16
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	9	0.16
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	9	0.16
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	13	0.16
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	13	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	3	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	3	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	5	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	5	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	9	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	9	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	10	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	10	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	11	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	11	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	12	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	12	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	13	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	13	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	14	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	14	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	15	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	15	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	16	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	16	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	17	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	17	0.16
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	19	0.16
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	19	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	3	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	3	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	5	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	5	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	9	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	9	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	10	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	11	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	11	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	12	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	12	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	13	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	13	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	14	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	14	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	15	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	15	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	16	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	16	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	17	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	17	0.16
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	19	0.16
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	19	0.16
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	6	0.16
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	6	0.16
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	6	0.16
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	6	0.16
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	13	0.16
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	13	0.16
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	13	0.16
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	13	0.16
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	6	0.16
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	6	0.16
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	6	0.16
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	6	0.16
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	13	0.16
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	13	0.16
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	13	0.16
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	13	0.16
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	6	0.16
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	6	0.16
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	6	0.16
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	6	0.16
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	13	0.16
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	13	0.16
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	13	0.16
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	13	0.16
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	6	0.16
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	6	0.16
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	6	0.16
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	13	0.16
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	13	0.16
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	13	0.16
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	13	0.16
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	6	0.16
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	6	0.16
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	6	0.16
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	6	0.16
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	13	0.16
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	13	0.16
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	13	0.16
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	13	0.16
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	6	0.16
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	6	0.16
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	6	0.16
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	6	0.16
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	13	0.16
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	13	0.16
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	13	0.16
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	13	0.16
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	6	0.16
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	6	0.16
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	6	0.16
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	6	0.16
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	13	0.16
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	13	0.16
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	13	0.16
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	13	0.16
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	6	0.16
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	6	0.16
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	6	0.16
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	6	0.16
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	13	0.16
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	13	0.16
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	13	0.16
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	13	0.16
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	18	0.16
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	18	0.16
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	18	0.16
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	18	0.16
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	18	0.16
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	13	0.16
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	18	0.16
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	18	0.16
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	18	0.16
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	18	0.16
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	7	0.16
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	7	0.16
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	8	0.16
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	8	0.16
(4,2894)	1:95:A:MET:HB2	1:143:A:SER:HA	2	0.16
(4,2894)	1:95:A:MET:HB3	1:143:A:SER:HA	2	0.16
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	3	0.16
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	3	0.16
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	6	0.16
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	6	0.16
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	16	0.16
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	16	0.16
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	16	0.16
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	16	0.16
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	16	0.16
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	16	0.16
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	16	0.16
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	16	0.16
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	16	0.16
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	16	0.16
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	16	0.16
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	16	0.16
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	7	0.16
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	7	0.16
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	7	0.16
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	7	0.16
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	7	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	5	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	5	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	5	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	12	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	12	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	12	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	13	0.16
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	13	0.16
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	5	0.16
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	5	0.16
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	5	0.16
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	20	0.16
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	20	0.16
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	20	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	9	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	9	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	9	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	11	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	11	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	11	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	16	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	16	0.16
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	16	0.16
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	17	0.16
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	17	0.16
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	17	0.16
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	17	0.16
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	17	0.16
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	17	0.16
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	17	0.16
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	17	0.16
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	17	0.16
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	18	0.16
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	18	0.16
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	18	0.16
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	18	0.16
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	18	0.16
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	18	0.16
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	18	0.16
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	18	0.16
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	18	0.16
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	14	0.16
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	14	0.16
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	14	0.16
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	14	0.16
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	14	0.16
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	14	0.16
(4,2788)	1:132:A:ILE:HA	1:61:A:VAL:HB	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	19	0.16
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	19	0.16
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	19	0.16
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	4	0.16
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	4	0.16
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	4	0.16
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	4	0.16
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	4	0.16
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	4	0.16
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	4	0.16
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	4	0.16
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	4	0.16
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	15	0.16
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	15	0.16
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	15	0.16
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	15	0.16
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	15	0.16
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	15	0.16
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	15	0.16
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	15	0.16
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	15	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	12	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	12	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	12	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	12	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	12	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	12	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	12	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	12	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	12	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	13	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	13	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	13	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	13	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	13	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	13	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	13	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	13	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	13	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	19	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	19	0.16
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	19	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	19	0.16
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	19	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	19	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	19	0.16
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	19	0.16
(4,2757)	1:109:A:ILE:HG21	1:131:A:MET:HA	5	0.16
(4,2757)	1:109:A:ILE:HG22	1:131:A:MET:HA	5	0.16
(4,2757)	1:109:A:ILE:HG23	1:131:A:MET:HA	5	0.16
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG11	16	0.16
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG12	16	0.16
(4,2751)	1:113:A:TYR:HD1	1:130:A:VAL:HG13	16	0.16
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG11	16	0.16
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG12	16	0.16
(4,2751)	1:113:A:TYR:HD2	1:130:A:VAL:HG13	16	0.16
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG11	10	0.16
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG12	10	0.16
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG13	10	0.16
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG11	10	0.16
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG12	10	0.16
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG13	10	0.16
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	15	0.16
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	5	0.16
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	5	0.16
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA2	18	0.16
(4,2724)	1:129:A:GLN:HB2	1:126:A:GLY:HA3	18	0.16
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA2	18	0.16
(4,2724)	1:129:A:GLN:HB3	1:126:A:GLY:HA3	18	0.16
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	11	0.16
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	11	0.16
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	11	0.16
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	11	0.16
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	11	0.16
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	11	0.16
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	11	0.16
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	11	0.16
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	11	0.16
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	11	0.16
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	11	0.16
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	11	0.16
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	17	0.16
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	17	0.16
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	17	0.16
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	17	0.16
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	17	0.16
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	17	0.16
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	17	0.16
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	17	0.16
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	17	0.16
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	17	0.16
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	17	0.16
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	18	0.16
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	18	0.16
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	18	0.16
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	18	0.16
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	18	0.16
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	18	0.16
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	18	0.16
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	18	0.16
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	18	0.16
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	18	0.16
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	18	0.16
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	18	0.16
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD11	19	0.16
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD12	19	0.16
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD13	19	0.16
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD11	19	0.16
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD12	19	0.16
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD13	19	0.16
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD11	19	0.16
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD12	19	0.16
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD13	19	0.16
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD11	19	0.16
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD12	19	0.16
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD13	19	0.16
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD11	19	0.16
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD12	19	0.16
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD13	19	0.16
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD11	19	0.16
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD12	19	0.16
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD13	19	0.16
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	17	0.16
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	17	0.16
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	17	0.16
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	17	0.16
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	17	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	1	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	1	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	2	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	2	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	4	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	4	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	5	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	5	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	8	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	8	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	12	0.16
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	12	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	1	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	1	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	2	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	2	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	4	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	4	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	5	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	5	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	8	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	8	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	12	0.16
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	12	0.16
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD11	9	0.16
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD12	9	0.16
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD13	9	0.16
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	2	0.16
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	13	0.16
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	15	0.16
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	9	0.16
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	9	0.16
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	12	0.16
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	12	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	3	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	3	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	3	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	5	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	5	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	5	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	5	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	7	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	7	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	7	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	7	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	10	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	10	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	10	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	10	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	12	0.16
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	12	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	12	0.16
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	12	0.16
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD11	18	0.16
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD12	18	0.16
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD13	18	0.16
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD21	18	0.16
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD22	18	0.16
(4,2569)	1:117:A:TRP:HA	1:114:A:LEU:HD23	18	0.16
(4,2484)	1:111:A:LEU:HD23	1:102:A:HIS:HD2	18	0.16
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	18	0.16
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	18	0.16
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	18	0.16
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	18	0.16
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	18	0.16
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	18	0.16
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	4	0.16
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	4	0.16
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	4	0.16
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	4	0.16
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	4	0.16
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	4	0.16
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG21	2	0.16
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG22	2	0.16
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG23	2	0.16
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG21	2	0.16
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG22	2	0.16
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG23	2	0.16
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG22	2	0.16
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG23	2	0.16
(4,2437)	1:107:A:GLY:HA2	1:89:A:VAL:HB	15	0.16
(4,2437)	1:107:A:GLY:HA3	1:89:A:VAL:HB	15	0.16
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	4	0.16
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	4	0.16
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	11	0.16
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	11	0.16
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB1	17	0.16
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB2	17	0.16
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB3	17	0.16
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB1	17	0.16
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB2	17	0.16
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB3	17	0.16
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB1	17	0.16
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB2	17	0.16
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB3	17	0.16
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD1	20	0.16
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD2	20	0.16
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD1	20	0.16
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD2	20	0.16
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD1	20	0.16
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD2	20	0.16
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD1	8	0.16
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD2	8	0.16
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD1	8	0.16
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD2	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	8	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	15	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	15	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	15	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	15	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	15	0.16
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	15	0.16
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG21	10	0.16
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG22	10	0.16
(4,2376)	1:97:A:ILE:HG12	1:96:A:THR:HG23	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG21	10	0.16
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG22	10	0.16
(4,2376)	1:97:A:ILE:HG13	1:96:A:THR:HG23	10	0.16
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	3	0.16
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	3	0.16
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	3	0.16
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	3	0.16
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	3	0.16
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	3	0.16
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG2	8	0.16
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG3	8	0.16
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG2	8	0.16
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG3	8	0.16
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG2	8	0.16
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG3	8	0.16
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	1	0.16
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	1	0.16
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	5	0.16
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	5	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD11	16	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD12	16	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD13	16	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD21	16	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD22	16	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD23	16	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD11	16	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD12	16	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD13	16	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD21	16	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD22	16	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD23	16	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD11	20	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD12	20	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD13	20	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD21	20	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD22	20	0.16
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD23	20	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD11	20	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD12	20	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD13	20	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD21	20	0.16
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD22	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD23	20	0.16
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	13	0.16
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	13	0.16
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	13	0.16
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	13	0.16
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	13	0.16
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	13	0.16
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	12	0.16
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	7	0.16
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	7	0.16
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	7	0.16
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	7	0.16
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	7	0.16
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	7	0.16
(4,2277)	1:88:A:PHE:HD1	1:86:A:ILE:HB	8	0.16
(4,2277)	1:88:A:PHE:HD2	1:86:A:ILE:HB	8	0.16
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	10	0.16
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	10	0.16
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	5	0.16
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	5	0.16
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	14	0.16
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	14	0.16
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	13	0.16
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	8	0.16
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	8	0.16
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	8	0.16
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	8	0.16
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	8	0.16
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	8	0.16
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	10	0.16
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	10	0.16
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	10	0.16
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	10	0.16
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	10	0.16
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	10	0.16
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	13	0.16
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	13	0.16
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	13	0.16
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	13	0.16
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	13	0.16
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	13	0.16
(4,2221)	1:16:A:LYS:HE2	1:79:A:THR:HB	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2221)	1:16:A:LYS:HE3	1:79:A:THR:HB	15	0.16
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	3	0.16
(4,2180)	1:77:A:LEU:HG	1:77:A:LEU:HA	7	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	8	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	8	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	8	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	8	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	8	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	8	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	8	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	8	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	8	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	8	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	8	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	8	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	9	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	9	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	9	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	9	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	9	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	9	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	9	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	9	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	9	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	9	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	9	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	9	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	11	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	11	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	11	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	11	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	11	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	11	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	11	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	11	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	11	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	11	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	11	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	11	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	12	0.16
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	12	0.16
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	12	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	12	0.16
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	12	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	12	0.16
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	12	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	12	0.16
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	12	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	12	0.16
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	12	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	8	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	8	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	8	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	8	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	8	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	8	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	8	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	8	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	8	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	8	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	8	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	8	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	9	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	9	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	9	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	9	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	9	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	9	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	9	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	9	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	9	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	9	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	9	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	9	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	11	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	11	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	11	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	11	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	11	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	11	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	11	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	11	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	11	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	11	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	11	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	12	0.16
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	12	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	12	0.16
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	12	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	12	0.16
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	12	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	12	0.16
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	12	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	12	0.16
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	12	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	12	0.16
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	12	0.16
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	20	0.16
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	20	0.16
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	20	0.16
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	20	0.16
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	20	0.16
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	20	0.16
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	20	0.16
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	20	0.16
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	20	0.16
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	20	0.16
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	20	0.16
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	20	0.16
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB2	3	0.16
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB3	3	0.16
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB2	3	0.16
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB3	3	0.16
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB2	3	0.16
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB3	3	0.16
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	2	0.16
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	2	0.16
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	10	0.16
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	10	0.16
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	10	0.16
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	10	0.16
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	10	0.16
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	10	0.16
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	10	0.16
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	10	0.16
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	10	0.16
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	10	0.16
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	10	0.16
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	19	0.16
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	19	0.16
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	19	0.16
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	19	0.16
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	19	0.16
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	19	0.16
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	19	0.16
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	19	0.16
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	19	0.16
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	19	0.16
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	19	0.16
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	19	0.16
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	19	0.16
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	19	0.16
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	19	0.16
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	19	0.16
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	19	0.16
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	19	0.16
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	19	0.16
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	19	0.16
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	19	0.16
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	19	0.16
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	19	0.16
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	19	0.16
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	19	0.16
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	19	0.16
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	19	0.16
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	19	0.16
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	19	0.16
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	19	0.16
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	19	0.16
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	19	0.16
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	19	0.16
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	19	0.16
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	19	0.16
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	19	0.16
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	10	0.16
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	10	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	14	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	14	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	14	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	14	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	14	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	14	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	18	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	18	0.16
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	18	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	18	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	18	0.16
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	18	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	2	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	2	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	2	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	2	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	2	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	2	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	3	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	3	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	3	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	3	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	3	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	3	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	6	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	6	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	6	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	6	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	6	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	6	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	7	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	7	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	7	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	7	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	7	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	7	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	8	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	8	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	8	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	8	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	8	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	9	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	9	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	9	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	9	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	9	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	9	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	11	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	11	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	11	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	11	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	11	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	11	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	12	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	12	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	12	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	12	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	12	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	12	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	16	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	16	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	16	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	16	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	16	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	16	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	17	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	17	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	17	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	17	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	17	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	17	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	19	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	19	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	19	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	19	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	19	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	19	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	20	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	20	0.16
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	20	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	20	0.16
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	20	0.16
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	8	0.16
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	8	0.16
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	8	0.16
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG21	10	0.16
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG22	10	0.16
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG23	10	0.16
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG21	10	0.16
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG22	10	0.16
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG23	10	0.16
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG21	10	0.16
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG22	10	0.16
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG23	10	0.16
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	3	0.16
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	3	0.16
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	14	0.16
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	14	0.16
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	11	0.16
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	11	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	3	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	3	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	3	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	3	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	3	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	3	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	4	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	4	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	4	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	4	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	4	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	4	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	17	0.16
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	17	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	17	0.16
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	17	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	17	0.16
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	17	0.16
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	15	0.16
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	15	0.16
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD2	9	0.16
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD3	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD2	9	0.16
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD3	9	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	1	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	3	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	7	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	8	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	13	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	17	0.16
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	19	0.16
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	6	0.16
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	6	0.16
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	6	0.16
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	6	0.16
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	6	0.16
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	6	0.16
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	6	0.16
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	6	0.16
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	2	0.16
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	2	0.16
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	2	0.16
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	2	0.16
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	2	0.16
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	2	0.16
(4,1965)	1:61:A:VAL:HG11	1:61:A:VAL:H	19	0.16
(4,1965)	1:61:A:VAL:HG12	1:61:A:VAL:H	19	0.16
(4,1965)	1:61:A:VAL:HG13	1:61:A:VAL:H	19	0.16
(4,1965)	1:61:A:VAL:HG21	1:61:A:VAL:H	19	0.16
(4,1965)	1:61:A:VAL:HG22	1:61:A:VAL:H	19	0.16
(4,1965)	1:61:A:VAL:HG23	1:61:A:VAL:H	19	0.16
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	3	0.16
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	3	0.16
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	3	0.16
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	3	0.16
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	3	0.16
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	3	0.16
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	3	0.16
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	3	0.16
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	3	0.16
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	10	0.16
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	17	0.16
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	15	0.16
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	15	0.16
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	15	0.16
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	15	0.16
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	15	0.16
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	19	0.16
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	19	0.16
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	19	0.16
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	19	0.16
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	19	0.16
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	19	0.16
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	15	0.16
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	15	0.16
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	15	0.16
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	15	0.16
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	15	0.16
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	15	0.16
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	19	0.16
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	19	0.16
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	19	0.16
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	19	0.16
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	19	0.16
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	19	0.16
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	18	0.16
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	18	0.16
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	18	0.16
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	18	0.16
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	18	0.16
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	18	0.16
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	18	0.16
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	18	0.16
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	18	0.16
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	18	0.16
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	18	0.16
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	18	0.16
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	18	0.16
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	18	0.16
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	18	0.16
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	18	0.16
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	18	0.16
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	18	0.16
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	15	0.16
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	15	0.16
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	15	0.16
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	15	0.16
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	15	0.16
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	15	0.16
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	15	0.16
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	15	0.16
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	16	0.16
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	16	0.16
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	16	0.16
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	16	0.16
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	16	0.16
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	16	0.16
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	16	0.16
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	16	0.16
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	16	0.16
(4,1794)	1:15:A:TYR:HH	1:52:A:LEU:HG	2	0.16
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	9	0.16
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	18	0.16
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	16	0.16
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	18	0.16
(4,1711)	1:52:A:LEU:HD21	1:42:A:TYR:HB2	5	0.16
(4,1711)	1:52:A:LEU:HD21	1:42:A:TYR:HB3	5	0.16
(4,1711)	1:52:A:LEU:HD22	1:42:A:TYR:HB2	5	0.16
(4,1711)	1:52:A:LEU:HD22	1:42:A:TYR:HB3	5	0.16
(4,1711)	1:52:A:LEU:HD23	1:42:A:TYR:HB2	5	0.16
(4,1711)	1:52:A:LEU:HD23	1:42:A:TYR:HB3	5	0.16
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	9	0.16
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	9	0.16
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	9	0.16
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	9	0.16
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	9	0.16
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	9	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	12	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	12	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	12	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	12	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	12	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	12	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	12	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	12	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	12	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	12	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	12	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD11	16	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD12	16	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD13	16	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD21	16	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD22	16	0.16
(4,1650)	1:80:A:TYR:HE1	1:76:A:LEU:HD23	16	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD11	16	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD12	16	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD13	16	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD21	16	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD22	16	0.16
(4,1650)	1:80:A:TYR:HE2	1:76:A:LEU:HD23	16	0.16
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	6	0.16
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	6	0.16
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	6	0.16
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	6	0.16
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	6	0.16
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	6	0.16
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	12	0.16
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	12	0.16
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	12	0.16
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	12	0.16
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	20	0.16
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	20	0.16
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	20	0.16
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	20	0.16
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	6	0.16
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	6	0.16
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	6	0.16
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	6	0.16
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	12	0.16
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	12	0.16
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	12	0.16
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	12	0.16
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	20	0.16
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	20	0.16
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	20	0.16
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	20	0.16
(4,1612)	1:32:A:TYR:HD1	1:32:A:TYR:HA	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1612)	1:32:A:TYR:HD2	1:32:A:TYR:HA	12	0.16
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	7	0.16
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	13	0.16
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	13	0.16
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	16	0.16
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	16	0.16
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD11	4	0.16
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD12	4	0.16
(4,1587)	1:25:A:THR:HA	1:29:A:ILE:HD13	4	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	10	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	10	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	10	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	10	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	10	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	10	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	10	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	10	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	10	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	17	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	17	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	17	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	17	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	17	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	17	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	17	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	17	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	17	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	20	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	20	0.16
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	20	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	20	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	20	0.16
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	20	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	20	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	20	0.16
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	20	0.16
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG12	18	0.16
(4,1576)	1:29:A:ILE:H	1:29:A:ILE:HG13	18	0.16
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	11	0.16
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	11	0.16
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	11	0.16
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	11	0.16
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	11	0.16
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	11	0.16
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	11	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	3	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	3	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	3	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	4	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	4	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	4	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	6	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	6	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	6	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	13	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	13	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	13	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	17	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	17	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	17	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	20	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	20	0.16
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	20	0.16
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	20	0.16
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	20	0.16
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	20	0.16
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	6	0.16
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	6	0.16
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	6	0.16
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	6	0.16
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	6	0.16
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	6	0.16
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	18	0.16
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	18	0.16
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	18	0.16
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	18	0.16
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	18	0.16
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	18	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	4	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	4	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	4	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	4	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	4	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	4	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	4	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	4	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	12	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	12	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	12	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	12	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	12	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	12	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	12	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	12	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	12	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	14	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	14	0.16
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	14	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	14	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	14	0.16
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	14	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	14	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	14	0.16
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	14	0.16
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	9	0.16
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	9	0.16
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	9	0.16
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	9	0.16
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	9	0.16
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	9	0.16
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	9	0.16
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	9	0.16
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	9	0.16
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	9	0.16
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	9	0.16
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	9	0.16
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	4	0.16
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	4	0.16
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	4	0.16
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	5	0.16
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	5	0.16
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	2	0.16
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	2	0.16
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	2	0.16
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	19	0.16
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	19	0.16
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	19	0.16
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	19	0.16
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	2	0.16
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	2	0.16
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	2	0.16
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	2	0.16
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	19	0.16
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	19	0.16
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	19	0.16
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	19	0.16
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	2	0.16
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	2	0.16
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	2	0.16
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	2	0.16
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	19	0.16
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	19	0.16
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	19	0.16
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	19	0.16
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	2	0.16
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	2	0.16
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	2	0.16
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	2	0.16
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	19	0.16
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	19	0.16
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	19	0.16
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	19	0.16
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	2	0.16
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	2	0.16
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	2	0.16
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	2	0.16
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	19	0.16
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	19	0.16
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	19	0.16
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	19	0.16
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB2	13	0.16
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB3	13	0.16
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB2	13	0.16
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB3	13	0.16
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB3	13	0.16
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	16	0.16
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	16	0.16
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	16	0.16
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	16	0.16
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	9	0.16
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	9	0.16
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	2	0.16
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	10	0.16
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	11	0.16
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	11	0.16
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	11	0.16
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	11	0.16
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	11	0.16
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	11	0.16
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	16	0.16
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	16	0.16
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	16	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	6	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	6	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	6	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	6	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	6	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	6	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	6	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	6	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	6	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	6	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	6	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	6	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	6	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	6	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	6	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	6	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	6	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	6	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	7	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	7	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	7	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	7	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	7	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	7	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	7	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	7	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	7	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	7	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	7	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	7	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	7	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	7	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	7	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	7	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	7	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	18	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	18	0.16
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	18	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	18	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	18	0.16
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	18	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	18	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	18	0.16
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	18	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	18	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	18	0.16
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	18	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	18	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	18	0.16
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	18	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	18	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	18	0.16
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	18	0.16
(4,1392)	1:23:A:ARG:HD2	1:20:A:LEU:HA	1	0.16
(4,1392)	1:23:A:ARG:HD3	1:20:A:LEU:HA	1	0.16
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	8	0.16
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	8	0.16
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	6	0.16
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	6	0.16
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	6	0.16
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	6	0.16
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	6	0.16
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	6	0.16
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	7	0.16
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	7	0.16
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	7	0.16
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD11	4	0.16
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD12	4	0.16
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD13	4	0.16
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD21	4	0.16
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD22	4	0.16
(4,1357)	1:17:A:TYR:HB2	1:20:A:LEU:HD23	4	0.16
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD11	4	0.16
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD12	4	0.16
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD13	4	0.16
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD21	4	0.16
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD22	4	0.16
(4,1357)	1:17:A:TYR:HB3	1:20:A:LEU:HD23	4	0.16
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	19	0.16
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	19	0.16
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	19	0.16
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	19	0.16
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB2	12	0.16
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB3	12	0.16
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	13	0.16
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	13	0.16
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	13	0.16
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	13	0.16
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	12	0.16
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	12	0.16
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	10	0.16
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	10	0.16
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	20	0.16
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	20	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	4	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	4	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	4	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	4	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	6	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	6	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	6	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	6	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	7	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	7	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	7	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	9	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	9	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	9	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	9	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	14	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	14	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	14	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	14	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	15	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	15	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	15	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	15	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	16	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	16	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	16	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	16	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	17	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	17	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	17	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	17	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	19	0.16
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	19	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	19	0.16
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	19	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	4	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	4	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	4	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	4	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	6	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	6	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	6	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	6	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	7	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	7	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	7	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	7	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	9	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	9	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	9	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	9	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	14	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	14	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	14	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	15	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	15	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	15	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	15	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	16	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	16	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	16	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	16	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	17	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	17	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	17	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	17	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	19	0.16
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	19	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	19	0.16
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	19	0.16
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	1	0.16
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	1	0.16
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	1	0.16
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	1	0.16
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	1	0.16
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	1	0.16
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	1	0.16
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	1	0.16
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	1	0.16
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	1	0.16
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	1	0.16
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	1	0.16
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	14	0.16
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	14	0.16
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	14	0.16
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	14	0.16
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	14	0.16
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	14	0.16
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD2	11	0.16
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD3	11	0.16
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	3	0.16
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	3	0.16
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	3	0.16
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	3	0.16
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	3	0.16
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	3	0.16
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	3	0.16
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	3	0.16
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	3	0.16
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	3	0.16
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	3	0.16
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	3	0.16
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	3	0.16
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	3	0.16
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	3	0.16
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	3	0.16
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	3	0.16
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	3	0.16
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	3	0.16
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	3	0.16
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	3	0.16
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	3	0.16
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	3	0.16
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	1	0.16
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	1	0.16
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	1	0.16
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	1	0.16
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	11	0.16
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	11	0.16
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	11	0.16
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	11	0.16
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	20	0.16
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	20	0.16
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	20	0.16
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	20	0.16
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	6	0.16
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	6	0.16
(4,1161)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	9	0.16
(4,1161)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	9	0.16
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	9	0.16
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	9	0.16
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	4	0.16
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	19	0.16
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	4	0.16
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	6	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE1	5	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE2	5	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE3	5	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE1	5	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE2	5	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE3	5	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE1	19	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE2	19	0.16
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE3	19	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE1	19	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE2	19	0.16
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE3	19	0.16
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	1	0.16
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	1	0.16
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	1	0.16
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	8	0.16
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	8	0.16
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	8	0.16
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	8	0.16
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	8	0.16
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	8	0.16
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	8	0.16
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	8	0.16
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	8	0.16
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	2	0.16
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	2	0.16
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	3	0.16
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	3	0.16
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	11	0.16
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	11	0.16
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	16	0.16
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	16	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	2	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	2	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	6	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	6	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	7	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	7	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	11	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	11	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	13	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	16	0.16
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	16	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	2	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	2	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	6	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	6	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	7	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	7	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	11	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	11	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	13	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	13	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	16	0.16
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	16	0.16
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	17	0.16
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	17	0.16
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	17	0.16
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	17	0.16
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	17	0.16
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	17	0.16
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	3	0.16
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	4	0.16
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	8	0.16
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	15	0.16
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	15	0.16
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	15	0.16
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	15	0.16
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	15	0.16
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	15	0.16
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	15	0.16
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	15	0.16
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	15	0.16
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	15	0.16
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	15	0.16
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	15	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	15	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	15	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	15	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	15	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	15	0.16
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	15	0.16
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	15	0.16
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	15	0.16
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	15	0.16
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	15	0.16
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	15	0.16
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	10	0.16
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	10	0.16
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	11	0.16
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	11	0.16
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	15	0.16
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	15	0.16
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	2	0.16
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	2	0.16
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	2	0.16
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	2	0.16
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	2	0.16
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	2	0.16
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	2	0.16
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	2	0.16
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	2	0.16
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	2	0.16
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	2	0.16
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	2	0.16
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	12	0.16
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	12	0.16
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	12	0.16
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	12	0.16
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	12	0.16
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	12	0.16
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	12	0.16
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	12	0.16
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	12	0.16
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	12	0.16
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	12	0.16
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	12	0.16
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	2	0.16
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	2	0.16
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	2	0.16
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	2	0.16
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	2	0.16
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	2	0.16
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	2	0.16
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	2	0.16
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	2	0.16
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	2	0.16
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	2	0.16
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	12	0.16
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	12	0.16
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	12	0.16
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	12	0.16
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	12	0.16
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	12	0.16
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	12	0.16
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	12	0.16
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	12	0.16
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	12	0.16
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	12	0.16
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	12	0.16
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	11	0.16
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	11	0.16
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	11	0.16
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	11	0.16
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	2	0.16
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	2	0.16
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	2	0.16
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	2	0.16
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	6	0.16
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	6	0.16
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	6	0.16
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	6	0.16
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	16	0.16
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	16	0.16
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	16	0.16
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	16	0.16
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	8	0.16
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	8	0.16
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	20	0.16
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	20	0.16
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	2	0.16
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	2	0.16
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	2	0.16
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	14	0.16
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	14	0.16
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	14	0.16
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	14	0.16
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	10	0.16
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	10	0.16
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB2	18	0.16
(4,934)	1:117:A:TRP:HA	1:117:A:TRP:HB3	18	0.16
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	10	0.16
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	10	0.16
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB2	18	0.16
(4,933)	1:117:A:TRP:HA	1:117:A:TRP:HB3	18	0.16
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD11	7	0.16
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD12	7	0.16
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD13	7	0.16
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	11	0.16
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	11	0.16
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	11	0.16
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	11	0.16
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	16	0.16
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	16	0.16
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	18	0.16
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	18	0.16
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	17	0.16
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	17	0.16
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	17	0.16
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	17	0.16
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	7	0.16
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	7	0.16
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	7	0.16
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	7	0.16
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	7	0.16
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	7	0.16
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	7	0.16
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	7	0.16
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	13	0.16
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	13	0.16
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	13	0.16
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	7	0.16
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	7	0.16
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	19	0.16
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	20	0.16
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	20	0.16
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	7	0.16
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	7	0.16
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	19	0.16
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	19	0.16
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	20	0.16
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	20	0.16
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	14	0.16
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	14	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	2	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	2	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	2	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	2	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	2	0.16
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	2	0.16
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	15	0.16
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	15	0.16
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	15	0.16
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	1	0.16
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	1	0.16
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	13	0.16
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	13	0.16
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	20	0.16
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	20	0.16
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	18	0.16
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	18	0.16
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	18	0.16
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	18	0.16
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	18	0.16
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	18	0.16
(4,528)	1:52:A:LEU:HD11	1:52:A:LEU:HA	14	0.16
(4,528)	1:52:A:LEU:HD12	1:52:A:LEU:HA	14	0.16
(4,528)	1:52:A:LEU:HD13	1:52:A:LEU:HA	14	0.16
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	9	0.16
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	9	0.16
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	19	0.16
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	19	0.16
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	1	0.16
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	1	0.16
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	8	0.16
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	9	0.16
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	9	0.16
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	10	0.16
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	10	0.16
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	16	0.16
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	16	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	1	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	1	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	1	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	1	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	1	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	1	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	5	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	5	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	5	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	5	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	5	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	5	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	11	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	11	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	11	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	11	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	11	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	11	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	12	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	12	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	12	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	12	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	12	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	12	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	13	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	13	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	13	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	13	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	13	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	13	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	19	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	19	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	19	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	19	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	19	0.16
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	12	0.16
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	12	0.16
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	17	0.16
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	17	0.16
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	18	0.16
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	18	0.16
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	18	0.16
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	18	0.16
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	1	0.16
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	2	0.16
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	3	0.16
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	6	0.16
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	9	0.16
(4,328)	1:24:A:GLU:HG2	1:24:A:GLU:HA	14	0.16
(4,328)	1:24:A:GLU:HG3	1:24:A:GLU:HA	14	0.16
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	2	0.16
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	2	0.16
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	2	0.16
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	2	0.16
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	19	0.16
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	19	0.16
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	19	0.16
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	19	0.16
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	2	0.16
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	2	0.16
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	2	0.16
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	2	0.16
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	19	0.16
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	19	0.16
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	19	0.16
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	19	0.16
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG2	14	0.16
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG3	14	0.16
(4,317)	1:23:A:ARG:HD2	1:23:A:ARG:HA	10	0.16
(4,317)	1:23:A:ARG:HD3	1:23:A:ARG:HA	10	0.16
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	3	0.16
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	3	0.16
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	3	0.16
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	8	0.16
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	8	0.16
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	8	0.16
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	17	0.16
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	17	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	1	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	1	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	1	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	1	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	4	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	4	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	4	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	4	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	5	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	5	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	5	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	5	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	9	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	9	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	9	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	9	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	10	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	10	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	10	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	10	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	11	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	11	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	11	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	11	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	12	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	12	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	12	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	12	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	19	0.16
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	19	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	19	0.16
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	19	0.16
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	10	0.16
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	10	0.16
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	10	0.16
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	10	0.16
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	10	0.16
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	10	0.16
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	10	0.16
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	19	0.16
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	19	0.16
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	19	0.16
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	19	0.16
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	19	0.16
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	19	0.16
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	19	0.16
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	19	0.16
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	10	0.16
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	10	0.16
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	10	0.16
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	10	0.16
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	9	0.16
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	9	0.16
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	9	0.16
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	9	0.16
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	9	0.16
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	9	0.16
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	19	0.16
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	19	0.16
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	19	0.16
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	19	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	4	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	4	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	7	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	7	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	13	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	13	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	14	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	14	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	17	0.16
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	17	0.16
(4,219)	1:53:A:MET:HE1	1:12:A:VAL:HB	8	0.16
(4,219)	1:53:A:MET:HE2	1:12:A:VAL:HB	8	0.16
(4,219)	1:53:A:MET:HE3	1:12:A:VAL:HB	8	0.16
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	16	0.16
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	16	0.16
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	16	0.16
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	16	0.16
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	16	0.16
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	16	0.16
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	16	0.16
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	16	0.16
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	16	0.16
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	16	0.16
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	16	0.16
(4,120)	1:7:A:GLN:HA	1:10:A:LYS:HD2	9	0.16
(4,120)	1:7:A:GLN:HA	1:10:A:LYS:HD3	9	0.16
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	11	0.16
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	11	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	1	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	1	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	1	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	1	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	2	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	2	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	2	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	2	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	6	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	6	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	6	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	6	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	8	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	8	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	8	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	8	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	12	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	12	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	12	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	12	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	15	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	15	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	15	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	15	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	18	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	18	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	18	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	18	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	19	0.16
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	19	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	19	0.16
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	19	0.16
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	9	0.16
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	9	0.16
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	9	0.16
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	9	0.16
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	9	0.16
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	9	0.16
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	9	0.16
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	9	0.16
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	9	0.16
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	9	0.16
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	9	0.16
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	11	0.16
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	11	0.16
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	11	0.16
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	11	0.16
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	11	0.16
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	11	0.16
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	2	0.16
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	2	0.16
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	2	0.16
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	2	0.16
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	2	0.16
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	2	0.16
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	2	0.16
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	2	0.16
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	2	0.16
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	8	0.16
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	8	0.16
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	8	0.16
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	8	0.16
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	9	0.16
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	6	0.16
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	17	0.16
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	7	0.15
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	7	0.15
(8,60)	1:17:A:TYR:HD1	1:119:A:HIS:HD2	1	0.15
(8,60)	1:17:A:TYR:HD2	1:119:A:HIS:HD2	1	0.15
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	1	0.15
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	1	0.15
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	10	0.15
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	10	0.15
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	10	0.15
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	11	0.15
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	11	0.15
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	11	0.15
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	11	0.15
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	16	0.15
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	16	0.15
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	16	0.15
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	16	0.15
(8,6)	1:68:A:TYR:HE1	1:63:A:TYR:HE1	2	0.15
(8,6)	1:68:A:TYR:HE1	1:63:A:TYR:HE2	2	0.15
(8,6)	1:68:A:TYR:HE2	1:63:A:TYR:HE1	2	0.15
(8,6)	1:68:A:TYR:HE2	1:63:A:TYR:HE2	2	0.15
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	7	0.15
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	7	0.15
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	8	0.15
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	10	0.15
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	6	0.15
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	6	0.15
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	17	0.15
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	17	0.15
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	17	0.15
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	17	0.15
(6,1332)	1:42:A:TYR:H	1:41:A:SER:HB2	11	0.15
(6,1332)	1:42:A:TYR:H	1:41:A:SER:HB3	11	0.15
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	10	0.15
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	10	0.15
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	10	0.15
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	10	0.15
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	11	0.15
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	11	0.15
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	11	0.15
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	11	0.15
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	11	0.15
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	11	0.15
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	11	0.15
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	11	0.15
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	11	0.15
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	11	0.15
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	11	0.15
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	11	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	3	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	3	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	3	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	17	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	17	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	17	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	17	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	20	0.15
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	20	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	20	0.15
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	20	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	3	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	3	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	3	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	3	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	17	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	17	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	17	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	17	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	20	0.15
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	20	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	20	0.15
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	20	0.15
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	6	0.15
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	6	0.15
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	20	0.15
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	20	0.15
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	4	0.15
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	4	0.15
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	20	0.15
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	20	0.15
(6,1246)	1:45:A:ASN:HB2	1:46:A:ASP:H	17	0.15
(6,1246)	1:45:A:ASN:HB3	1:46:A:ASP:H	17	0.15
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	2	0.15
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	2	0.15
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	2	0.15
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	2	0.15
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	2	0.15
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	2	0.15
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	3	0.15
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	3	0.15
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	11	0.15
(6,1228)	1:97:A:ILE:HB	1:99:A:THR:H	11	0.15
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	17	0.15
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	17	0.15
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	7	0.15
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	13	0.15
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	1	0.15
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	1	0.15
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	1	0.15
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	1	0.15
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	1	0.15
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	1	0.15
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	9	0.15
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	9	0.15
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	9	0.15
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	9	0.15
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	9	0.15
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	9	0.15
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	17	0.15
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	17	0.15
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	5	0.15
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	5	0.15
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	5	0.15
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	17	0.15
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	2	0.15
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	2	0.15
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	4	0.15
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	4	0.15
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	19	0.15
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	19	0.15
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	17	0.15
(6,1137)	1:23:A:ARG:HB2	1:25:A:THR:H	1	0.15
(6,1137)	1:23:A:ARG:HB3	1:25:A:THR:H	1	0.15
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	18	0.15
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	20	0.15
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	7	0.15
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	7	0.15
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	7	0.15
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	7	0.15
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	7	0.15
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	7	0.15
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	9	0.15
(6,1040)	1:33:A:LYS:HD2	1:33:A:LYS:H	5	0.15
(6,1040)	1:33:A:LYS:HD3	1:33:A:LYS:H	5	0.15
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	4	0.15
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	4	0.15
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	12	0.15
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	12	0.15
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	13	0.15
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	13	0.15
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	4	0.15
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	4	0.15
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	4	0.15
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	4	0.15
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	4	0.15
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	4	0.15
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	7	0.15
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	7	0.15
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	7	0.15
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	7	0.15
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	7	0.15
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	7	0.15
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	15	0.15
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	15	0.15
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	15	0.15
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	15	0.15
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	15	0.15
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	15	0.15
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	17	0.15
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	19	0.15
(6,959)	1:49:A:SER:H	1:48:A:SER:H	11	0.15
(6,959)	1:49:A:SER:H	1:48:A:SER:H	17	0.15
(6,959)	1:49:A:SER:H	1:48:A:SER:H	19	0.15
(6,949)	1:50:A:ARG:H	1:50:A:ARG:HA	3	0.15
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB2	19	0.15
(6,947)	1:50:A:ARG:H	1:49:A:SER:HB3	19	0.15
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	17	0.15
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	17	0.15
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	18	0.15
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	18	0.15
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	18	0.15
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	18	0.15
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	2	0.15
(6,924)	1:39:A:LEU:HA	1:53:A:MET:H	3	0.15
(6,919)	1:15:A:TYR:HH	1:53:A:MET:H	15	0.15
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	3	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	3	0.15
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	5	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	5	0.15
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	6	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	6	0.15
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	8	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	8	0.15
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	13	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	13	0.15
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	17	0.15
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	17	0.15
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	16	0.15
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	16	0.15
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	18	0.15
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	18	0.15
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	19	0.15
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	19	0.15
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	17	0.15
(6,869)	1:64:A:ARG:HD2	1:64:A:ARG:H	4	0.15
(6,869)	1:64:A:ARG:HD3	1:64:A:ARG:H	4	0.15
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	16	0.15
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	16	0.15
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	18	0.15
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	18	0.15
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	19	0.15
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	19	0.15
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB2	2	0.15
(6,866)	1:64:A:ARG:H	1:63:A:TYR:HB3	2	0.15
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	20	0.15
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	20	0.15
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	18	0.15
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	18	0.15
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	18	0.15
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	6	0.15
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	6	0.15
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	16	0.15
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	16	0.15
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	4	0.15
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	11	0.15
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	11	0.15
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	15	0.15
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	15	0.15
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	4	0.15
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	4	0.15
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	11	0.15
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	11	0.15
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	15	0.15
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	15	0.15
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	6	0.15
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	6	0.15
(6,804)	1:76:A:LEU:HD11	1:76:A:LEU:H	10	0.15
(6,804)	1:76:A:LEU:HD12	1:76:A:LEU:H	10	0.15
(6,804)	1:76:A:LEU:HD13	1:76:A:LEU:H	10	0.15
(6,804)	1:76:A:LEU:HD21	1:76:A:LEU:H	10	0.15
(6,804)	1:76:A:LEU:HD22	1:76:A:LEU:H	10	0.15
(6,804)	1:76:A:LEU:HD23	1:76:A:LEU:H	10	0.15
(6,804)	1:76:A:LEU:HD11	1:76:A:LEU:H	20	0.15
(6,804)	1:76:A:LEU:HD12	1:76:A:LEU:H	20	0.15
(6,804)	1:76:A:LEU:HD13	1:76:A:LEU:H	20	0.15
(6,804)	1:76:A:LEU:HD21	1:76:A:LEU:H	20	0.15
(6,804)	1:76:A:LEU:HD22	1:76:A:LEU:H	20	0.15
(6,804)	1:76:A:LEU:HD23	1:76:A:LEU:H	20	0.15
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB2	11	0.15
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB3	11	0.15
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	1	0.15
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	1	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	13	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	13	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	13	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	13	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	13	0.15
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	13	0.15
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	14	0.15
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	14	0.15
(6,720)	1:71:A:PRO:HG2	1:90:A:LYS:H	3	0.15
(6,720)	1:71:A:PRO:HG3	1:90:A:LYS:H	3	0.15
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	7	0.15
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	7	0.15
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	7	0.15
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	7	0.15
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	7	0.15
(6,712)	1:95:A:MET:HG2	1:92:A:THR:H	1	0.15
(6,712)	1:95:A:MET:HG3	1:92:A:THR:H	1	0.15
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	16	0.15
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	16	0.15
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	8	0.15
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	8	0.15
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	1	0.15
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	2	0.15
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	4	0.15
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	9	0.15
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	20	0.15
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	20	0.15
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	20	0.15
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	17	0.15
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	17	0.15
(6,685)	1:95:A:MET:HB2	1:96:A:THR:H	15	0.15
(6,685)	1:95:A:MET:HB3	1:96:A:THR:H	15	0.15
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	7	0.15
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	7	0.15
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	7	0.15
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	7	0.15
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	7	0.15
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	7	0.15
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	15	0.15
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	15	0.15
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	15	0.15
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	15	0.15
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	15	0.15
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	15	0.15
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	6	0.15
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	16	0.15
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	12	0.15
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	13	0.15
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	17	0.15
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	14	0.15
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	7	0.15
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	7	0.15
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	7	0.15
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	4	0.15
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	4	0.15
(6,637)	1:140:A:PRO:HA	1:103:A:VAL:H	2	0.15
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	6	0.15
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	6	0.15
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	10	0.15
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	1	0.15
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	6	0.15
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	11	0.15
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	11	0.15
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	4	0.15
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	6	0.15
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	17	0.15
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	20	0.15
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	9	0.15
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	9	0.15
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	9	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	1	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	2	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	3	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	5	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	9	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	11	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	13	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	16	0.15
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	18	0.15
(6,542)	1:114:A:LEU:H	1:115:A:HIS:HD2	10	0.15
(6,542)	1:114:A:LEU:H	1:115:A:HIS:HD2	13	0.15
(6,526)	1:114:A:LEU:HD11	1:115:A:HIS:H	6	0.15
(6,526)	1:114:A:LEU:HD12	1:115:A:HIS:H	6	0.15
(6,526)	1:114:A:LEU:HD13	1:115:A:HIS:H	6	0.15
(6,526)	1:114:A:LEU:HD21	1:115:A:HIS:H	6	0.15
(6,526)	1:114:A:LEU:HD22	1:115:A:HIS:H	6	0.15
(6,526)	1:114:A:LEU:HD23	1:115:A:HIS:H	6	0.15
(6,516)	1:77:A:LEU:HG	1:78:A:ASP:H	16	0.15
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	2	0.15
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	2	0.15
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	2	0.15
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	2	0.15
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	2	0.15
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	2	0.15
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	12	0.15
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	13	0.15
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	13	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	4	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	4	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	8	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	8	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	13	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	13	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	14	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	14	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	15	0.15
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	15	0.15
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	2	0.15
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	18	0.15
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	20	0.15
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	5	0.15
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	5	0.15
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	9	0.15
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	9	0.15
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	1	0.15
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	1	0.15
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	4	0.15
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	4	0.15
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	6	0.15
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	6	0.15
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	9	0.15
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	9	0.15
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	11	0.15
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	11	0.15
(6,381)	1:129:A:GLN:HG2	1:129:A:GLN:H	5	0.15
(6,381)	1:129:A:GLN:HG3	1:129:A:GLN:H	5	0.15
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	1	0.15
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	1	0.15
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	1	0.15
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	1	0.15
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	1	0.15
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	1	0.15
(6,308)	1:135:A:PHE:H	1:134:A:VAL:H	18	0.15
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	2	0.15
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	15	0.15
(6,303)	1:135:A:PHE:HB2	1:135:A:PHE:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,303)	1:135:A:PHE:HB3	1:135:A:PHE:H	8	0.15
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	10	0.15
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	10	0.15
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	17	0.15
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	17	0.15
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	20	0.15
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	20	0.15
(6,287)	1:137:A:ASP:HB2	1:138:A:GLU:H	18	0.15
(6,287)	1:137:A:ASP:HB3	1:138:A:GLU:H	18	0.15
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	4	0.15
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	13	0.15
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	16	0.15
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	1	0.15
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	1	0.15
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	5	0.15
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	5	0.15
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	6	0.15
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	6	0.15
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	12	0.15
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	12	0.15
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	1	0.15
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	1	0.15
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	5	0.15
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	5	0.15
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	6	0.15
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	6	0.15
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	12	0.15
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	12	0.15
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	14	0.15
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	14	0.15
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	1	0.15
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	1	0.15
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	19	0.15
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	19	0.15
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	5	0.15
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	7	0.15
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	13	0.15
(6,193)	1:19:A:ASP:HB2	1:19:A:ASP:H	6	0.15
(6,193)	1:19:A:ASP:HB3	1:19:A:ASP:H	6	0.15
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	19	0.15
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	19	0.15
(6,156)	1:15:A:TYR:HB2	1:16:A:LYS:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,156)	1:15:A:TYR:HB3	1:16:A:LYS:H	1	0.15
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	15	0.15
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	16	0.15
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	2	0.15
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	2	0.15
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	15	0.15
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	15	0.15
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	16	0.15
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	16	0.15
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	19	0.15
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	19	0.15
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	2	0.15
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	9	0.15
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	19	0.15
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	4	0.15
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	8	0.15
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	20	0.15
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	4	0.15
(6,4)	1:4:A:SER:H	1:8:A:LEU:H	9	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	18	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	18	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	18	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	18	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	18	0.15
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	18	0.15
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	19	0.15
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	19	0.15
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	19	0.15
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	19	0.15
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	19	0.15
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	19	0.15
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	15	0.15
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	15	0.15
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	15	0.15
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	15	0.15
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	4	0.15
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	4	0.15
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	17	0.15
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	17	0.15
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	4	0.15
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	4	0.15
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	17	0.15
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	9	0.15
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	9	0.15
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	9	0.15
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	9	0.15
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	12	0.15
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	12	0.15
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	12	0.15
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	12	0.15
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	2	0.15
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	2	0.15
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	2	0.15
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	2	0.15
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	18	0.15
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	18	0.15
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	18	0.15
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	18	0.15
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	2	0.15
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	2	0.15
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	2	0.15
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	2	0.15
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	2	0.15
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	2	0.15
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	2	0.15
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	2	0.15
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	2	0.15
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	2	0.15
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	2	0.15
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	2	0.15
(4,3118)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	11	0.15
(4,3118)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	11	0.15
(4,3118)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	15	0.15
(4,3118)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	15	0.15
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	14	0.15
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	14	0.15
(4,3047)	1:37:A:PRO:HD3	1:36:A:LYS:HA	16	0.15
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD2	8	0.15
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD3	8	0.15
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD2	8	0.15
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD3	8	0.15
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	19	0.15
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	19	0.15
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	19	0.15
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	1	0.15
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	1	0.15
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	2	0.15
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	2	0.15
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	4	0.15
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	4	0.15
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	6	0.15
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	6	0.15
(4,2986)	1:139:A:PRO:HB2	1:139:A:PRO:HA	18	0.15
(4,2986)	1:139:A:PRO:HB3	1:139:A:PRO:HA	18	0.15
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	1	0.15
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	1	0.15
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	2	0.15
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	2	0.15
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	4	0.15
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	4	0.15
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	6	0.15
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	6	0.15
(4,2985)	1:139:A:PRO:HB2	1:139:A:PRO:HA	18	0.15
(4,2985)	1:139:A:PRO:HB3	1:139:A:PRO:HA	18	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	1	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	1	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	1	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	1	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	3	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	3	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	3	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	3	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	4	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	4	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	4	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	4	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	5	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	5	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	5	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	5	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	8	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	8	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	8	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	9	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	9	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	9	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	9	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	10	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	10	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	10	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	10	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	11	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	11	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	11	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	11	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	14	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	14	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	14	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	14	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	17	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	17	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	17	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	17	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	18	0.15
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	18	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	18	0.15
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	18	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	1	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	1	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	1	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	1	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	3	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	3	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	3	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	3	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	4	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	4	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	4	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	4	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	5	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	5	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	5	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	5	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	8	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	8	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	8	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	9	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	9	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	9	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	9	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	10	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	10	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	10	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	10	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	11	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	11	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	11	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	11	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	14	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	14	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	14	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	14	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	17	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	17	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	17	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	17	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	18	0.15
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	18	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	18	0.15
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	18	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	1	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	1	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	1	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	1	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	3	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	3	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	3	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	3	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	4	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	4	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	4	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	4	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	5	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	5	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	5	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	8	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	8	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	8	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	8	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	9	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	9	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	9	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	9	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	10	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	10	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	10	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	10	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	11	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	11	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	11	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	11	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	14	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	14	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	14	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	14	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	17	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	17	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	17	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	17	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	18	0.15
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	18	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	18	0.15
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	18	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	1	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	1	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	1	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	1	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	3	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	3	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	3	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	3	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	4	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	4	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	4	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	4	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	5	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	5	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	5	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	8	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	8	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	8	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	8	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	9	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	9	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	9	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	9	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	10	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	10	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	10	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	10	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	11	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	11	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	11	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	11	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	14	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	14	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	14	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	14	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	17	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	17	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	17	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	17	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	18	0.15
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	18	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	18	0.15
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	18	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	1	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	1	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	1	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	1	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	3	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	3	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	3	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	3	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	4	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	4	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	4	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	5	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	5	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	5	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	5	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	8	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	8	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	8	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	8	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	9	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	9	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	9	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	9	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	10	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	10	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	10	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	10	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	11	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	11	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	11	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	11	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	14	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	14	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	14	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	14	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	17	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	17	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	17	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	17	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	18	0.15
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	18	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	18	0.15
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	18	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	1	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	1	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	1	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	1	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	3	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	3	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	3	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	3	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	4	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	4	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	4	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	5	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	5	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	5	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	5	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	8	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	8	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	8	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	8	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	9	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	9	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	9	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	9	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	10	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	10	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	10	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	10	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	11	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	11	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	11	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	11	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	14	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	14	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	14	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	14	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	17	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	17	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	17	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	17	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	18	0.15
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	18	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	18	0.15
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	18	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	1	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	1	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	1	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	1	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	3	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	3	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	3	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	4	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	4	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	4	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	4	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	5	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	5	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	5	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	5	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	8	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	8	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	8	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	8	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	9	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	9	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	9	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	9	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	10	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	10	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	10	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	10	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	11	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	11	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	11	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	11	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	14	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	14	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	14	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	14	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	17	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	17	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	17	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	17	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	18	0.15
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	18	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	18	0.15
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	18	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	1	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	1	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	1	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	1	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	3	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	3	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	3	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	4	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	4	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	4	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	4	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	5	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	5	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	5	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	5	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	8	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	8	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	8	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	8	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	9	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	9	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	9	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	9	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	10	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	10	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	10	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	10	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	11	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	11	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	11	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	11	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	14	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	14	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	14	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	14	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	17	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	17	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	17	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	17	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	18	0.15
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	18	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	18	0.15
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	18	0.15
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	4	0.15
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	11	0.15
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	12	0.15
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2903)	1:144:A:ARG:HB2	1:144:A:ARG:HD3	11	0.15
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD2	11	0.15
(4,2903)	1:144:A:ARG:HB3	1:144:A:ARG:HD3	11	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	9	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	9	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	9	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	9	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	9	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	9	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	9	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	9	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	9	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	9	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	9	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	9	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	9	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	9	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	9	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	9	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	9	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	9	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	15	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	15	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	15	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	15	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	15	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	15	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	15	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	15	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	15	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	15	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	15	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	15	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	15	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	15	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	15	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	15	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	15	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	15	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	17	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	17	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	17	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	17	0.15
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	17	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	17	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	17	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	17	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	17	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	17	0.15
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	17	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	17	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	17	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	17	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	17	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	17	0.15
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	17	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	5	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	5	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	5	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	5	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	5	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	5	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG11	13	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG12	13	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG13	13	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG21	13	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG22	13	0.15
(4,2878)	1:141:A:VAL:HA	1:141:A:VAL:HG23	13	0.15
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	11	0.15
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	11	0.15
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	16	0.15
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	16	0.15
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	1	0.15
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	1	0.15
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	14	0.15
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	14	0.15
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	14	0.15
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	14	0.15
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	14	0.15
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	14	0.15
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	6	0.15
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	6	0.15
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	6	0.15
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB2	8	0.15
(4,2861)	1:135:A:PHE:H	1:135:A:PHE:HB3	8	0.15
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB2	8	0.15
(4,2860)	1:135:A:PHE:H	1:135:A:PHE:HB3	8	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	1	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	1	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	1	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	1	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	1	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	1	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	1	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	1	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	1	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	1	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	1	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	1	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	13	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	13	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	13	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	13	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	13	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	13	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	13	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	13	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	13	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	13	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	13	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	13	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	14	0.15
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	14	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	14	0.15
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	14	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	14	0.15
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	14	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	14	0.15
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	14	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	14	0.15
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	14	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	14	0.15
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	14	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	3	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	3	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	4	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	4	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	4	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	14	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	14	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	14	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	19	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	19	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	19	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	20	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	20	0.15
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	20	0.15
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	3	0.15
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	3	0.15
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	3	0.15
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	19	0.15
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	19	0.15
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	19	0.15
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	6	0.15
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	6	0.15
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	6	0.15
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	6	0.15
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	6	0.15
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	6	0.15
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	6	0.15
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	6	0.15
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	6	0.15
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	14	0.15
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	18	0.15
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	20	0.15
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	10	0.15
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	10	0.15
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	10	0.15
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	10	0.15
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	10	0.15
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	10	0.15
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	10	0.15
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	10	0.15
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	10	0.15
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	10	0.15
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	10	0.15
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	16	0.15
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	16	0.15
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	16	0.15
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	16	0.15
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	16	0.15
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	16	0.15
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	16	0.15
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	16	0.15
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	16	0.15
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	16	0.15
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	16	0.15
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	16	0.15
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	8	0.15
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	8	0.15
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	4	0.15
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	4	0.15
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	4	0.15
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	4	0.15
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	4	0.15
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	4	0.15
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	10	0.15
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	10	0.15
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	10	0.15
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	10	0.15
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	10	0.15
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	10	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	3	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	3	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	6	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	6	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	9	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	9	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	11	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	11	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	13	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	13	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	18	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	18	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	19	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	20	0.15
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	20	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	3	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	3	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	6	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	6	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	9	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	9	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	11	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	11	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	13	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	13	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	18	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	18	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	19	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	19	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	20	0.15
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	20	0.15
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	9	0.15
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	9	0.15
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	9	0.15
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	9	0.15
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	9	0.15
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	9	0.15
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	9	0.15
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	9	0.15
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	10	0.15
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	10	0.15
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD11	4	0.15
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD12	4	0.15
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD13	4	0.15
(4,2612)	1:117:A:TRP:HH2	1:123:A:ASP:HA	5	0.15
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	15	0.15
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	15	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	1	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	1	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	1	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	1	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	2	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	2	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	2	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	8	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	8	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	8	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	8	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	11	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	11	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	11	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	11	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	13	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	13	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	13	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	13	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	14	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	14	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	14	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	14	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	15	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	15	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	15	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	15	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	16	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	16	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	16	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	16	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	17	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	17	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	17	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	17	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	19	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	19	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	19	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	19	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.15
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	20	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	0.15
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	2	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	2	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	2	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	2	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	2	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	2	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	2	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	2	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	2	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	2	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	2	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	10	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	10	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	10	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	10	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	10	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	10	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	10	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	10	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	10	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	10	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	10	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	10	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	20	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	20	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	20	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	20	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	20	0.15
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	20	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	20	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	20	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	20	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	20	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	20	0.15
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	20	0.15
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	15	0.15
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	15	0.15
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	7	0.15
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	7	0.15
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	7	0.15
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	7	0.15
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	2	0.15
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	2	0.15
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	2	0.15
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	11	0.15
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	11	0.15
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	12	0.15
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	12	0.15
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	12	0.15
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	12	0.15
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	12	0.15
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	12	0.15
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG2	4	0.15
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG3	4	0.15
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG2	4	0.15
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG3	4	0.15
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG2	4	0.15
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG3	4	0.15
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	2	0.15
(4,2410)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	2	0.15
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	2	0.15
(4,2410)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	2	0.15
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	2	0.15
(4,2410)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	2	0.15
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	2	0.15
(4,2410)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	2	0.15
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	2	0.15
(4,2410)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	2	0.15
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	2	0.15
(4,2410)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	2	0.15
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	5	0.15
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	5	0.15
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	5	0.15
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	5	0.15
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	5	0.15
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	5	0.15
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	8	0.15
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	8	0.15
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	8	0.15
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	8	0.15
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	8	0.15
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	8	0.15
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	19	0.15
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	19	0.15
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	19	0.15
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	19	0.15
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	19	0.15
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2394)	1:97:A:ILE:HG21	1:99:A:THR:HB	3	0.15
(4,2394)	1:97:A:ILE:HG22	1:99:A:THR:HB	3	0.15
(4,2394)	1:97:A:ILE:HG23	1:99:A:THR:HB	3	0.15
(4,2394)	1:97:A:ILE:HG21	1:99:A:THR:HB	15	0.15
(4,2394)	1:97:A:ILE:HG22	1:99:A:THR:HB	15	0.15
(4,2394)	1:97:A:ILE:HG23	1:99:A:THR:HB	15	0.15
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	7	0.15
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	7	0.15
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	7	0.15
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	7	0.15
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	7	0.15
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	7	0.15
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	4	0.15
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	4	0.15
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	4	0.15
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	4	0.15
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	4	0.15
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	4	0.15
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	20	0.15
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	20	0.15
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	20	0.15
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	20	0.15
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	20	0.15
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	20	0.15
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	4	0.15
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	5	0.15
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	11	0.15
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	11	0.15
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	12	0.15
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	12	0.15
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	14	0.15
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	14	0.15
(4,2314)	1:89:A:VAL:H	1:89:A:VAL:HB	8	0.15
(4,2305)	1:89:A:VAL:HG11	1:88:A:PHE:HA	17	0.15
(4,2305)	1:89:A:VAL:HG12	1:88:A:PHE:HA	17	0.15
(4,2305)	1:89:A:VAL:HG13	1:88:A:PHE:HA	17	0.15
(4,2305)	1:89:A:VAL:HG21	1:88:A:PHE:HA	17	0.15
(4,2305)	1:89:A:VAL:HG22	1:88:A:PHE:HA	17	0.15
(4,2305)	1:89:A:VAL:HG23	1:88:A:PHE:HA	17	0.15
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	12	0.15
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	12	0.15
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	16	0.15
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	16	0.15
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	16	0.15
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	16	0.15
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	16	0.15
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	16	0.15
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	16	0.15
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	16	0.15
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	16	0.15
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	16	0.15
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	16	0.15
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	16	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	3	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	3	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	3	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	3	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	15	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	15	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	15	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	15	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	19	0.15
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	19	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	19	0.15
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	19	0.15
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	7	0.15
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	7	0.15
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	4	0.15
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	11	0.15
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	12	0.15
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	5	0.15
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	5	0.15
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	5	0.15
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE1	6	0.15
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE2	6	0.15
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE1	6	0.15
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE2	6	0.15
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE1	6	0.15
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE2	6	0.15
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	5	0.15
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	3	0.15
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	5	0.15
(4,2174)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	5	0.15
(4,2174)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	5	0.15
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	5	0.15
(4,2174)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	5	0.15
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	5	0.15
(4,2174)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	5	0.15
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	5	0.15
(4,2174)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	5	0.15
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	5	0.15
(4,2174)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	5	0.15
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB2	5	0.15
(4,2173)	1:77:A:LEU:HD11	1:77:A:LEU:HB3	5	0.15
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB2	5	0.15
(4,2173)	1:77:A:LEU:HD12	1:77:A:LEU:HB3	5	0.15
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB2	5	0.15
(4,2173)	1:77:A:LEU:HD13	1:77:A:LEU:HB3	5	0.15
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB2	5	0.15
(4,2173)	1:77:A:LEU:HD21	1:77:A:LEU:HB3	5	0.15
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB2	5	0.15
(4,2173)	1:77:A:LEU:HD22	1:77:A:LEU:HB3	5	0.15
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB2	5	0.15
(4,2173)	1:77:A:LEU:HD23	1:77:A:LEU:HB3	5	0.15
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE1	14	0.15
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE2	14	0.15
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE1	14	0.15
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE2	14	0.15
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE1	14	0.15
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE2	14	0.15
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE1	14	0.15
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE2	14	0.15
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE1	14	0.15
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE2	14	0.15
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE1	14	0.15
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE2	14	0.15
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE1	20	0.15
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE2	20	0.15
(4,2168)	1:76:A:LEU:HD11	1:53:A:MET:HE3	20	0.15
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE1	20	0.15
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE2	20	0.15
(4,2168)	1:76:A:LEU:HD12	1:53:A:MET:HE3	20	0.15
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE1	20	0.15
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE2	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2168)	1:76:A:LEU:HD13	1:53:A:MET:HE3	20	0.15
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE1	20	0.15
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE2	20	0.15
(4,2168)	1:76:A:LEU:HD21	1:53:A:MET:HE3	20	0.15
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE1	20	0.15
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE2	20	0.15
(4,2168)	1:76:A:LEU:HD22	1:53:A:MET:HE3	20	0.15
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE1	20	0.15
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE2	20	0.15
(4,2168)	1:76:A:LEU:HD23	1:53:A:MET:HE3	20	0.15
(4,2150)	1:85:A:PRO:HB2	1:76:A:LEU:HA	15	0.15
(4,2150)	1:85:A:PRO:HB3	1:76:A:LEU:HA	15	0.15
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB2	11	0.15
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB3	11	0.15
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	18	0.15
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	18	0.15
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	18	0.15
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	18	0.15
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	18	0.15
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	18	0.15
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	18	0.15
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	18	0.15
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	18	0.15
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	18	0.15
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	18	0.15
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	18	0.15
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	17	0.15
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	17	0.15
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	17	0.15
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	17	0.15
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	17	0.15
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	17	0.15
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	17	0.15
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	17	0.15
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	17	0.15
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	17	0.15
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	17	0.15
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	17	0.15
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	17	0.15
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	17	0.15
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	17	0.15
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	17	0.15
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	17	0.15
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	17	0.15
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	17	0.15
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	17	0.15
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	17	0.15
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	17	0.15
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	17	0.15
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	17	0.15
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	17	0.15
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	17	0.15
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	17	0.15
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	17	0.15
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	17	0.15
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	17	0.15
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	17	0.15
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	17	0.15
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	17	0.15
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	17	0.15
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	17	0.15
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB2	6	0.15
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB3	6	0.15
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB2	10	0.15
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB3	10	0.15
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB2	10	0.15
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB3	10	0.15
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	15	0.15
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	6	0.15
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	6	0.15
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	6	0.15
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	16	0.15
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	16	0.15
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	16	0.15
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	20	0.15
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	20	0.15
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	20	0.15
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	20	0.15
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	20	0.15
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	20	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	1	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	1	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	1	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	1	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	1	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	4	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	4	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	4	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	4	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	4	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	4	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	5	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	5	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	5	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	5	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	5	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	5	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	10	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	10	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	10	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	10	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	10	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	10	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	14	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	14	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	14	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	14	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	14	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	14	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	15	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	15	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	15	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	15	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	15	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	15	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG21	18	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG22	18	0.15
(4,2087)	1:72:A:ILE:HG12	1:72:A:ILE:HG23	18	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG21	18	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG22	18	0.15
(4,2087)	1:72:A:ILE:HG13	1:72:A:ILE:HG23	18	0.15
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	14	0.15
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	14	0.15
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG2	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2070)	1:92:A:THR:HG21	1:71:A:PRO:HG3	20	0.15
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG2	20	0.15
(4,2070)	1:92:A:THR:HG22	1:71:A:PRO:HG3	20	0.15
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG2	20	0.15
(4,2070)	1:92:A:THR:HG23	1:71:A:PRO:HG3	20	0.15
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	12	0.15
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	12	0.15
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	12	0.15
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	14	0.15
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	14	0.15
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	14	0.15
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG21	7	0.15
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG22	7	0.15
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG23	7	0.15
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG21	7	0.15
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG22	7	0.15
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG23	7	0.15
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG21	7	0.15
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG22	7	0.15
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG23	7	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	7	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	7	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	7	0.15
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	7	0.15
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	7	0.15
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	7	0.15
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	7	0.15
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	7	0.15
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	7	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	15	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	15	0.15
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	15	0.15
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	15	0.15
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	15	0.15
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	15	0.15
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	15	0.15
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	15	0.15
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	15	0.15
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	2	0.15
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	2	0.15
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	16	0.15
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	11	0.15
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	11	0.15
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	5	0.15
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	5	0.15
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	8	0.15
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	8	0.15
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	9	0.15
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	9	0.15
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	11	0.15
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	11	0.15
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	20	0.15
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	20	0.15
(4,1975)	1:64:A:ARG:H	1:64:A:ARG:HA	9	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	1	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	1	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	1	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	1	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	3	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	3	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	3	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	3	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	4	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	4	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	4	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	4	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	5	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	5	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	5	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	5	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	7	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	7	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	7	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	7	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	8	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	8	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	8	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	8	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	9	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	9	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	9	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	9	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	10	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	10	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	10	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	11	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	11	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	11	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	11	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	12	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	12	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	12	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	12	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	13	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	13	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	13	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	13	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	14	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	14	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	14	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	14	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	15	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	15	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	15	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	15	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	16	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	16	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	16	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	16	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	17	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	17	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	17	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	17	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	19	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	19	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	19	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	19	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	20	0.15
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	20	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	20	0.15
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	20	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	1	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	1	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	1	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	3	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	3	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	3	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	3	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	4	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	4	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	4	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	4	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	5	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	5	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	5	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	5	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	7	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	7	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	7	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	7	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	8	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	8	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	8	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	8	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	9	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	9	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	9	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	9	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	10	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	10	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	10	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	10	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	11	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	11	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	11	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	11	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	12	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	12	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	12	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	12	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	13	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	13	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	13	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	13	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	14	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	14	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	14	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	15	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	15	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	15	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	15	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	16	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	16	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	16	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	16	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	17	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	17	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	17	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	17	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	19	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	19	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	19	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	19	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	20	0.15
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	20	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	20	0.15
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	20	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG11	5	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG12	5	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG13	5	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG21	5	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG22	5	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG23	5	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG11	15	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG12	15	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG13	15	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG21	15	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG22	15	0.15
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG23	15	0.15
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB2	15	0.15
(4,1949)	1:60:A:PRO:HD2	1:60:A:PRO:HB3	15	0.15
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB2	15	0.15
(4,1949)	1:60:A:PRO:HD3	1:60:A:PRO:HB3	15	0.15
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	15	0.15
(4,1948)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	15	0.15
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1948)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	15	0.15
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD2	15	0.15
(4,1936)	1:60:A:PRO:HB2	1:60:A:PRO:HD3	15	0.15
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD2	15	0.15
(4,1936)	1:60:A:PRO:HB3	1:60:A:PRO:HD3	15	0.15
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	8	0.15
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	8	0.15
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	8	0.15
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	8	0.15
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	8	0.15
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	8	0.15
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	5	0.15
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	5	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	1	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	1	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	2	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	2	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	4	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	4	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	5	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	5	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	7	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	7	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	8	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	8	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	9	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	9	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	10	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	10	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	11	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	11	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	13	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	13	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	14	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	14	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	15	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	15	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	16	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	16	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	17	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	17	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	18	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	19	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	19	0.15
(4,1907)	1:60:A:PRO:HG2	1:60:A:PRO:HA	20	0.15
(4,1907)	1:60:A:PRO:HG3	1:60:A:PRO:HA	20	0.15
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	6	0.15
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	6	0.15
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	6	0.15
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	6	0.15
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	6	0.15
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	6	0.15
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	6	0.15
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	6	0.15
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	6	0.15
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	3	0.15
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	3	0.15
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	18	0.15
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	18	0.15
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	18	0.15
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	20	0.15
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	20	0.15
(4,1862)	1:60:A:PRO:HG2	1:59:A:ILE:HA	3	0.15
(4,1862)	1:60:A:PRO:HG3	1:59:A:ILE:HA	3	0.15
(4,1862)	1:60:A:PRO:HG2	1:59:A:ILE:HA	6	0.15
(4,1862)	1:60:A:PRO:HG3	1:59:A:ILE:HA	6	0.15
(4,1842)	1:59:A:ILE:H	1:58:A:THR:HA	15	0.15
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	2	0.15
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	2	0.15
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	2	0.15
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	2	0.15
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	2	0.15
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	2	0.15
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	2	0.15
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	2	0.15
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	2	0.15
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD21	7	0.15
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD22	7	0.15
(4,1812)	1:29:A:ILE:HG21	1:55:A:LEU:HD23	7	0.15
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD21	7	0.15
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD22	7	0.15
(4,1812)	1:29:A:ILE:HG22	1:55:A:LEU:HD23	7	0.15
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD21	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD22	7	0.15
(4,1812)	1:29:A:ILE:HG23	1:55:A:LEU:HD23	7	0.15
(4,1792)	1:86:A:ILE:HG12	1:86:A:ILE:HB	4	0.15
(4,1792)	1:86:A:ILE:HG13	1:86:A:ILE:HB	4	0.15
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	9	0.15
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	17	0.15
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	17	0.15
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	17	0.15
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	17	0.15
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	17	0.15
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	17	0.15
(4,1759)	1:52:A:LEU:HD21	1:78:A:ASP:HA	15	0.15
(4,1759)	1:52:A:LEU:HD22	1:78:A:ASP:HA	15	0.15
(4,1759)	1:52:A:LEU:HD23	1:78:A:ASP:HA	15	0.15
(4,1759)	1:52:A:LEU:HD21	1:78:A:ASP:HA	18	0.15
(4,1759)	1:52:A:LEU:HD22	1:78:A:ASP:HA	18	0.15
(4,1759)	1:52:A:LEU:HD23	1:78:A:ASP:HA	18	0.15
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	18	0.15
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	18	0.15
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	19	0.15
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	19	0.15
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	7	0.15
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	7	0.15
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	7	0.15
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	7	0.15
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	7	0.15
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	7	0.15
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	17	0.15
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	17	0.15
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	17	0.15
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	17	0.15
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	17	0.15
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	17	0.15
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	17	0.15
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	17	0.15
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	17	0.15
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	17	0.15
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	17	0.15
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	17	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	18	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	18	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	18	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	18	0.15
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	18	0.15
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	11	0.15
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	11	0.15
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB2	18	0.15
(4,1656)	1:35:A:LEU:HD11	1:32:A:TYR:HB3	18	0.15
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB2	18	0.15
(4,1656)	1:35:A:LEU:HD12	1:32:A:TYR:HB3	18	0.15
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB2	18	0.15
(4,1656)	1:35:A:LEU:HD13	1:32:A:TYR:HB3	18	0.15
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB2	18	0.15
(4,1656)	1:35:A:LEU:HD21	1:32:A:TYR:HB3	18	0.15
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB2	18	0.15
(4,1656)	1:35:A:LEU:HD22	1:32:A:TYR:HB3	18	0.15
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB2	18	0.15
(4,1656)	1:35:A:LEU:HD23	1:32:A:TYR:HB3	18	0.15
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	15	0.15
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	15	0.15
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	15	0.15
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	15	0.15
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	15	0.15
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	15	0.15
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	15	0.15
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	15	0.15
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	15	0.15
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	15	0.15
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	15	0.15
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	15	0.15
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	15	0.15
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	15	0.15
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	15	0.15
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	15	0.15
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	15	0.15
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	15	0.15
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	10	0.15
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	10	0.15
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	11	0.15
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	11	0.15
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	19	0.15
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	19	0.15
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	7	0.15
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	7	0.15
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	7	0.15
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	16	0.15
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	16	0.15
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	16	0.15
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	16	0.15
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	3	0.15
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	3	0.15
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	18	0.15
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	18	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	5	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	5	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	5	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	5	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	5	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	5	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	7	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	7	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	7	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	7	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	7	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	7	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	8	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	8	0.15
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	8	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	8	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	8	0.15
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	8	0.15
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	18	0.15
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	18	0.15
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	18	0.15
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	18	0.15
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	18	0.15
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	18	0.15
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	18	0.15
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	18	0.15
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	18	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	6	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	6	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	6	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	6	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	6	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	9	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	9	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	9	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	9	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	9	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	9	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	17	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	17	0.15
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	17	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	17	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	17	0.15
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	17	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	5	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	5	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	5	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	10	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	10	0.15
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	10	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	3	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	3	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	3	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	6	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	6	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	6	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	8	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	8	0.15
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	8	0.15
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	14	0.15
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	14	0.15
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	14	0.15
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	14	0.15
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	14	0.15
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	14	0.15
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	17	0.15
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	17	0.15
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	17	0.15
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	17	0.15
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	17	0.15
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	17	0.15
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	7	0.15
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	7	0.15
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	7	0.15
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	7	0.15
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	7	0.15
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	7	0.15
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	7	0.15
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	7	0.15
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	7	0.15
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	7	0.15
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	7	0.15
(4,1536)	1:125:A:LEU:HG	1:27:A:ASN:HB2	1	0.15
(4,1536)	1:125:A:LEU:HG	1:27:A:ASN:HB3	1	0.15
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	8	0.15
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	8	0.15
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	11	0.15
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	11	0.15
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	11	0.15
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	11	0.15
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	16	0.15
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	16	0.15
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	16	0.15
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	16	0.15
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	10	0.15
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	10	0.15
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	10	0.15
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	10	0.15
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	11	0.15
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	11	0.15
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	11	0.15
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	11	0.15
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	16	0.15
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	16	0.15
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	16	0.15
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	16	0.15
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	11	0.15
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	11	0.15
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	11	0.15
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	11	0.15
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	16	0.15
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	16	0.15
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	16	0.15
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	11	0.15
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	11	0.15
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	11	0.15
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	11	0.15
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	16	0.15
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	16	0.15
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	16	0.15
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	16	0.15
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	11	0.15
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	11	0.15
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	11	0.15
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	11	0.15
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	16	0.15
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	16	0.15
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	16	0.15
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	16	0.15
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	15	0.15
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	15	0.15
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	15	0.15
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	15	0.15
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	9	0.15
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	9	0.15
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	9	0.15
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	9	0.15
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	14	0.15
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	14	0.15
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	14	0.15
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	14	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	2	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	2	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	10	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	10	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	13	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	13	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	18	0.15
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	18	0.15
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	4	0.15
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	15	0.15
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	15	0.15
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	15	0.15
(4,1431)	1:97:A:ILE:HD11	1:91:A:PRO:HG2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1431)	1:97:A:ILE:HD12	1:91:A:PRO:HG2	3	0.15
(4,1431)	1:97:A:ILE:HD13	1:91:A:PRO:HG2	3	0.15
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	12	0.15
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	12	0.15
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	12	0.15
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	12	0.15
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	12	0.15
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	12	0.15
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	12	0.15
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	12	0.15
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	12	0.15
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	12	0.15
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	12	0.15
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	12	0.15
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	4	0.15
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	4	0.15
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	4	0.15
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	4	0.15
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	6	0.15
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	6	0.15
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	12	0.15
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	12	0.15
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	12	0.15
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	12	0.15
(4,1381)	1:13:A:SER:HA	1:18:A:ARG:HD2	16	0.15
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	15	0.15
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	15	0.15
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	15	0.15
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	15	0.15
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	9	0.15
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	9	0.15
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	10	0.15
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	10	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	5	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	5	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	14	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	14	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	16	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	16	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	18	0.15
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	18	0.15
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG2	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1337)	1:16:A:LYS:HA	1:16:A:LYS:HG3	19	0.15
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	7	0.15
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	7	0.15
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	7	0.15
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	7	0.15
(4,1329)	1:16:A:LYS:HE2	1:16:A:LYS:HB2	9	0.15
(4,1329)	1:16:A:LYS:HE2	1:16:A:LYS:HB3	9	0.15
(4,1329)	1:16:A:LYS:HE3	1:16:A:LYS:HB2	9	0.15
(4,1329)	1:16:A:LYS:HE3	1:16:A:LYS:HB3	9	0.15
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB2	7	0.15
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB3	7	0.15
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	14	0.15
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	14	0.15
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	14	0.15
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	14	0.15
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	20	0.15
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	20	0.15
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	20	0.15
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	20	0.15
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	1	0.15
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	1	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	1	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	1	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	1	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	1	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	5	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	5	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	5	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	5	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	10	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	10	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	10	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	10	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	12	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	12	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	12	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	12	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	18	0.15
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	18	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	18	0.15
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	18	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	1	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	1	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	1	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	5	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	5	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	5	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	5	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	10	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	10	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	10	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	10	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	12	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	12	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	12	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	12	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	18	0.15
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	18	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	18	0.15
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	18	0.15
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	19	0.15
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	19	0.15
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	19	0.15
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	19	0.15
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	19	0.15
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	19	0.15
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	19	0.15
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	19	0.15
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	19	0.15
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	19	0.15
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	19	0.15
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	19	0.15
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	18	0.15
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	18	0.15
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	18	0.15
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	18	0.15
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	18	0.15
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	18	0.15
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	19	0.15
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	19	0.15
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	19	0.15
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	19	0.15
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	19	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	9	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	9	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	9	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	9	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	9	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	9	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	9	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	9	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	9	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	9	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	9	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	9	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	12	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	12	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	12	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	12	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	12	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	12	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	12	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	12	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	12	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	12	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	12	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	12	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	13	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	13	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	13	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	13	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	13	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	13	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	13	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	13	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	13	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	13	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	13	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	13	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	16	0.15
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	16	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	16	0.15
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	16	0.15
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	16	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	16	0.15
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	16	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	16	0.15
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	16	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	16	0.15
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	16	0.15
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	12	0.15
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	12	0.15
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	12	0.15
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	12	0.15
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	12	0.15
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	12	0.15
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	12	0.15
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	12	0.15
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	12	0.15
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	12	0.15
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	12	0.15
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	12	0.15
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	12	0.15
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	12	0.15
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	12	0.15
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	12	0.15
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	12	0.15
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	12	0.15
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	12	0.15
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	12	0.15
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	12	0.15
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	12	0.15
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	12	0.15
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	12	0.15
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	6	0.15
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	6	0.15
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	6	0.15
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	6	0.15
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	4	0.15
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	4	0.15
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	6	0.15
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	6	0.15
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	1	0.15
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	5	0.15
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	17	0.15
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	1	0.15
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	5	0.15
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	10	0.15
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	17	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	3	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	3	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	6	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	6	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	10	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	10	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	11	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	11	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	16	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	16	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	20	0.15
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	20	0.15
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	3	0.15
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	3	0.15
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	6	0.15
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	6	0.15
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	10	0.15
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	10	0.15
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	11	0.15
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	11	0.15
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	16	0.15
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	16	0.15
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	20	0.15
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	20	0.15
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	3	0.15
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	3	0.15
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	6	0.15
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	6	0.15
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	10	0.15
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	10	0.15
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	11	0.15
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	11	0.15
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	16	0.15
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	16	0.15
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	20	0.15
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	20	0.15
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	3	0.15
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	6	0.15
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	6	0.15
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	10	0.15
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	10	0.15
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	11	0.15
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	11	0.15
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	16	0.15
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	16	0.15
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	20	0.15
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	20	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	4	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	7	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	8	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	9	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	10	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	11	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	12	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	14	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	16	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	18	0.15
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	19	0.15
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE1	1	0.15
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE2	1	0.15
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE3	1	0.15
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE1	1	0.15
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE2	1	0.15
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE3	1	0.15
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	8	0.15
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	8	0.15
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	8	0.15
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	9	0.15
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	9	0.15
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	9	0.15
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	9	0.15
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	9	0.15
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	9	0.15
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	9	0.15
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	9	0.15
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	9	0.15
(4,1076)	1:8:A:LEU:HD11	1:53:A:MET:HE1	16	0.15
(4,1076)	1:8:A:LEU:HD11	1:53:A:MET:HE2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1076)	1:8:A:LEU:HD11	1:53:A:MET:HE3	16	0.15
(4,1076)	1:8:A:LEU:HD12	1:53:A:MET:HE1	16	0.15
(4,1076)	1:8:A:LEU:HD12	1:53:A:MET:HE2	16	0.15
(4,1076)	1:8:A:LEU:HD12	1:53:A:MET:HE3	16	0.15
(4,1076)	1:8:A:LEU:HD13	1:53:A:MET:HE1	16	0.15
(4,1076)	1:8:A:LEU:HD13	1:53:A:MET:HE2	16	0.15
(4,1076)	1:8:A:LEU:HD13	1:53:A:MET:HE3	16	0.15
(4,1076)	1:8:A:LEU:HD21	1:53:A:MET:HE1	16	0.15
(4,1076)	1:8:A:LEU:HD21	1:53:A:MET:HE2	16	0.15
(4,1076)	1:8:A:LEU:HD21	1:53:A:MET:HE3	16	0.15
(4,1076)	1:8:A:LEU:HD22	1:53:A:MET:HE1	16	0.15
(4,1076)	1:8:A:LEU:HD22	1:53:A:MET:HE2	16	0.15
(4,1076)	1:8:A:LEU:HD22	1:53:A:MET:HE3	16	0.15
(4,1076)	1:8:A:LEU:HD23	1:53:A:MET:HE1	16	0.15
(4,1076)	1:8:A:LEU:HD23	1:53:A:MET:HE2	16	0.15
(4,1076)	1:8:A:LEU:HD23	1:53:A:MET:HE3	16	0.15
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	18	0.15
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	18	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	1	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	1	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	1	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	1	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	2	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	2	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	2	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	2	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	4	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	4	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	4	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	4	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	5	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	5	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	5	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	5	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	6	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	6	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	6	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	6	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	7	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	7	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	7	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	9	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	9	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	9	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	9	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	13	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	13	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	13	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	13	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	15	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	15	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	15	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	15	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	16	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	16	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	16	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	16	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	19	0.15
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	19	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	19	0.15
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	19	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	1	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	1	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	1	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	1	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	2	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	2	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	2	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	2	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	4	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	4	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	4	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	4	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	5	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	5	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	5	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	5	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	6	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	6	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	6	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	6	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	7	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	7	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	7	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	9	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	9	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	9	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	9	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	13	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	13	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	13	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	13	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	15	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	15	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	15	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	15	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	16	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	16	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	16	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	16	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	19	0.15
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	19	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	19	0.15
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	19	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	1	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	1	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	1	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	1	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	2	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	2	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	2	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	2	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	4	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	4	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	4	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	4	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	5	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	5	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	5	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	5	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	6	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	6	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	6	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	7	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	7	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	7	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	7	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	9	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	9	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	9	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	9	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	13	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	13	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	13	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	13	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	15	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	15	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	15	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	15	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	16	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	16	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	16	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	16	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	19	0.15
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	19	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	19	0.15
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	19	0.15
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	8	0.15
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	8	0.15
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	12	0.15
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	12	0.15
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	14	0.15
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	14	0.15
(4,1063)	1:131:A:MET:HG2	1:131:A:MET:HA	20	0.15
(4,1063)	1:131:A:MET:HG3	1:131:A:MET:HA	20	0.15
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	2	0.15
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	2	0.15
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	6	0.15
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	6	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	3	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	3	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	3	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	3	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	3	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	3	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	3	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	3	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	8	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	8	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	8	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	8	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	8	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	8	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	8	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	8	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	8	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	14	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	14	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	14	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	14	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	14	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	14	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	14	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	14	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	14	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	16	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	16	0.15
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	16	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	16	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	16	0.15
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	16	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	16	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	16	0.15
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	16	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	3	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	3	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	3	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	3	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	3	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	3	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	3	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	3	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	3	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	8	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	8	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	8	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	8	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	8	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	8	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	8	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	8	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	14	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	14	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	14	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	14	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	14	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	14	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	14	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	14	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	14	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	16	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	16	0.15
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	16	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	16	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	16	0.15
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	16	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	16	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	16	0.15
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	16	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	3	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	3	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	4	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	4	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	8	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	8	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	12	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	12	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	14	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	14	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	17	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	17	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB2	20	0.15
(4,1006)	1:127:A:LEU:HA	1:127:A:LEU:HB3	20	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	3	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	3	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	4	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	8	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	8	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	12	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	12	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	14	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	14	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	17	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	17	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB2	20	0.15
(4,1005)	1:127:A:LEU:HA	1:127:A:LEU:HB3	20	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	4	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	4	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	4	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	4	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	4	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	4	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	10	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	10	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	10	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	10	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	10	0.15
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	10	0.15
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	14	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	6	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	6	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	6	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	6	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	6	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	6	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	6	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	6	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	6	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	6	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	6	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	6	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	12	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	12	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	12	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	12	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	12	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	12	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	12	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	12	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	12	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	12	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	12	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	16	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	16	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	16	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	16	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	16	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	16	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	16	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	16	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	16	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	16	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	16	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	16	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	18	0.15
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	18	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	18	0.15
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	18	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	18	0.15
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	18	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	18	0.15
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	18	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	18	0.15
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	18	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	18	0.15
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	18	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	6	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	6	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	6	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	6	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	6	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	6	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	6	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	6	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	6	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	6	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	6	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	6	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	12	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	12	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	12	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	12	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	12	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	12	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	12	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	12	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	12	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	12	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	12	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	16	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	16	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	16	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	16	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	16	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	16	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	16	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	16	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	16	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	16	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	16	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	16	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	18	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	18	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	18	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	18	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	18	0.15
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	18	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	18	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	18	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	18	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	18	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	18	0.15
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	18	0.15
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	10	0.15
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	6	0.15
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	6	0.15
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	6	0.15
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	6	0.15
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	10	0.15
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	10	0.15
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	10	0.15
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	15	0.15
(4,947)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	15	0.15
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	15	0.15
(4,947)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	15	0.15
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	6	0.15
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	6	0.15
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	6	0.15
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	6	0.15
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	7	0.15
(4,942)	1:118:A:LYS:HE2	1:118:A:LYS:HG3	7	0.15
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	7	0.15
(4,942)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	7	0.15
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	9	0.15
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	9	0.15
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	9	0.15
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	9	0.15
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	17	0.15
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	17	0.15
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	17	0.15
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	17	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	12	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	12	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	12	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	12	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	15	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	15	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	15	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	15	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	20	0.15
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	20	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	20	0.15
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	20	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	1	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	1	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	5	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	5	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	7	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	7	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	19	0.15
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	1	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	1	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	5	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	5	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	7	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	7	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	19	0.15
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	19	0.15
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	10	0.15
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	10	0.15
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	10	0.15
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	10	0.15
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	10	0.15
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	10	0.15
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	16	0.15
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	16	0.15
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	16	0.15
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	16	0.15
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	16	0.15
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	16	0.15
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD21	1	0.15
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD22	1	0.15
(4,907)	1:111:A:LEU:HB2	1:111:A:LEU:HD23	1	0.15
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD21	1	0.15
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD22	1	0.15
(4,907)	1:111:A:LEU:HB3	1:111:A:LEU:HD23	1	0.15
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	12	0.15
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	12	0.15
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	2	0.15
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	2	0.15
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	20	0.15
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	20	0.15
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	1	0.15
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	1	0.15
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	11	0.15
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	11	0.15
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	14	0.15
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	14	0.15
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	1	0.15
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	1	0.15
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	11	0.15
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	14	0.15
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	14	0.15
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	1	0.15
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	1	0.15
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	11	0.15
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	11	0.15
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	14	0.15
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	14	0.15
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	1	0.15
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	1	0.15
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	11	0.15
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	11	0.15
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	14	0.15
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	14	0.15
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	10	0.15
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	10	0.15
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	10	0.15
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	16	0.15
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	16	0.15
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	16	0.15
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	3	0.15
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	3	0.15
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	3	0.15
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	3	0.15
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	3	0.15
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	3	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	1	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	1	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	5	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	5	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	6	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	6	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	8	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	8	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	11	0.15
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	11	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	1	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	1	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	5	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	5	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	6	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	8	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	8	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	11	0.15
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	11	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	1	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	1	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	1	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	2	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	2	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	2	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	3	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	3	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	3	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	4	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	4	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	4	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	6	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	6	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	6	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	9	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	9	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	9	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	12	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	12	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	12	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	14	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	14	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	14	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	15	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	15	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	15	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	16	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	16	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	16	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	18	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	18	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	18	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	19	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	19	0.15
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	19	0.15
(4,692)	1:83:A:ASN:HB2	1:83:A:ASN:HA	15	0.15
(4,692)	1:83:A:ASN:HB3	1:83:A:ASN:HA	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,691)	1:83:A:ASN:HB2	1:83:A:ASN:HA	15	0.15
(4,691)	1:83:A:ASN:HB3	1:83:A:ASN:HA	15	0.15
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB2	10	0.15
(4,677)	1:78:A:ASP:HA	1:78:A:ASP:HB3	10	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	5	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	5	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	5	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	5	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	5	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	5	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	8	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	8	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	8	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	8	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	8	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	8	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	20	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	20	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	20	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	20	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	20	0.15
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	20	0.15
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD11	11	0.15
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD12	11	0.15
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	11	0.15
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD21	11	0.15
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD22	11	0.15
(4,659)	1:76:A:LEU:HB2	1:76:A:LEU:HD23	11	0.15
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD11	11	0.15
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD12	11	0.15
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD13	11	0.15
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	11	0.15
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD22	11	0.15
(4,659)	1:76:A:LEU:HB3	1:76:A:LEU:HD23	11	0.15
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	10	0.15
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	10	0.15
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	10	0.15
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	10	0.15
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	17	0.15
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	17	0.15
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	17	0.15
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	10	0.15
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	10	0.15
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	10	0.15
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	10	0.15
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	17	0.15
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	17	0.15
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	17	0.15
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	17	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	1	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	1	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	1	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	2	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	2	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	2	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	3	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	3	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	3	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	4	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	4	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	4	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	5	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	5	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	5	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	6	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	6	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	6	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	7	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	7	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	7	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	9	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	9	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	9	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	10	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	10	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	10	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	11	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	11	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	11	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	12	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	12	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	12	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	14	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	14	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	15	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	15	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	15	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	16	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	16	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	16	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	17	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	17	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	17	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	18	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	18	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	18	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	19	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	19	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	19	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	20	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	20	0.15
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	20	0.15
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	2	0.15
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	2	0.15
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	7	0.15
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	7	0.15
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	19	0.15
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	19	0.15
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	6	0.15
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	6	0.15
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	6	0.15
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	6	0.15
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	6	0.15
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	6	0.15
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	3	0.15
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	3	0.15
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	3	0.15
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	3	0.15
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	3	0.15
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	3	0.15
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	15	0.15
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	15	0.15
(4,521)	1:51:A:GLU:HA	1:51:A:GLU:HG2	3	0.15
(4,521)	1:51:A:GLU:HA	1:51:A:GLU:HG3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	4	0.15
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	4	0.15
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	12	0.15
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	12	0.15
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	6	0.15
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	6	0.15
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	7	0.15
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	7	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG11	20	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG12	20	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG13	20	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG21	20	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG22	20	0.15
(4,472)	1:38:A:VAL:HA	1:38:A:VAL:HG23	20	0.15
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	3	0.15
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	3	0.15
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG2	5	0.15
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG3	5	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	4	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	5	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	8	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	9	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	10	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	11	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	12	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	13	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	14	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	15	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	16	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	17	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	19	0.15
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	20	0.15
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	11	0.15
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	11	0.15
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	11	0.15
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	11	0.15
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	16	0.15
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	16	0.15
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	16	0.15
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	16	0.15
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	11	0.15
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	11	0.15
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	11	0.15
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	16	0.15
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	16	0.15
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	16	0.15
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	16	0.15
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	10	0.15
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	10	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	1	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	1	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	1	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	2	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	2	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	2	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	4	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	4	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	4	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	5	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	5	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	5	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	6	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	6	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	6	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	7	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	7	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	7	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	9	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	9	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	9	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	10	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	10	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	10	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	11	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	11	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	11	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	12	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	12	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	12	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	13	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	13	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	13	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	14	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	14	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	15	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	15	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	15	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	16	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	16	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	16	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	18	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	18	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	18	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	19	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	19	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	19	0.15
(4,298)	1:21:A:THR:HG21	1:21:A:THR:HB	20	0.15
(4,298)	1:21:A:THR:HG22	1:21:A:THR:HB	20	0.15
(4,298)	1:21:A:THR:HG23	1:21:A:THR:HB	20	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	6	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	6	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	6	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	6	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	6	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	6	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	6	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	6	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	6	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	6	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	6	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	6	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	9	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	9	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	9	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	9	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	9	0.15
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	9	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	9	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	9	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	9	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	9	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	9	0.15
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	9	0.15
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	14	0.15
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	14	0.15
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	14	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	3	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	3	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	3	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	3	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	9	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	9	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	9	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	9	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	16	0.15
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	16	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	16	0.15
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	16	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	3	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	3	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	3	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	3	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	9	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	9	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	9	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	9	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	16	0.15
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	16	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	16	0.15
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	16	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	3	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	3	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	3	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	3	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	9	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	9	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	9	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	9	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	16	0.15
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	16	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	16	0.15
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	16	0.15
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	7	0.15
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	7	0.15
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	7	0.15
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	7	0.15
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	7	0.15
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	3	0.15
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	3	0.15
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	1	0.15
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	1	0.15
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	10	0.15
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	10	0.15
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	18	0.15
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	18	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	1	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	1	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	1	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	1	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	1	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	1	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	1	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	1	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	1	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	1	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	1	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	1	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	13	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	13	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	13	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	13	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	13	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	13	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	13	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	13	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	13	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	13	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	13	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	13	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	14	0.15
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	14	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	14	0.15
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	14	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	14	0.15
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	14	0.15
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	14	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	14	0.15
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	14	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	14	0.15
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	14	0.15
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	11	0.15
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	11	0.15
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	11	0.15
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	13	0.15
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	13	0.15
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	13	0.15
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	13	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	12	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	12	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	12	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	12	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	15	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	15	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	15	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	15	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	20	0.15
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	20	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	20	0.15
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	20	0.15
(4,82)	1:51:A:GLU:HA	1:51:A:GLU:HG2	3	0.15
(4,82)	1:51:A:GLU:HA	1:51:A:GLU:HG3	3	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	3	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	3	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	3	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	3	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	4	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	4	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	4	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	4	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	5	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	5	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	5	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	5	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	9	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	9	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	9	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	11	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	11	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	11	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	11	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	13	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	13	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	13	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	13	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	14	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	14	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	14	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	14	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	16	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	16	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	16	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	16	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	17	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	17	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	17	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	17	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG2	20	0.15
(4,54)	1:9:A:LYS:HB2	1:9:A:LYS:HG3	20	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG2	20	0.15
(4,54)	1:9:A:LYS:HB3	1:9:A:LYS:HG3	20	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	12	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	12	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	12	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	12	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	15	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	15	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	15	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	15	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	20	0.15
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	20	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	20	0.15
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	20	0.15
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	12	0.15
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	12	0.15
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	12	0.15
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	12	0.15
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	12	0.15
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	12	0.15
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	12	0.15
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	12	0.15
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	12	0.15
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	12	0.15
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	12	0.15
(4,38)	1:3:A:VAL:HG11	1:5:A:GLU:HA	3	0.15
(4,38)	1:3:A:VAL:HG12	1:5:A:GLU:HA	3	0.15
(4,38)	1:3:A:VAL:HG13	1:5:A:GLU:HA	3	0.15
(4,38)	1:3:A:VAL:HG21	1:5:A:GLU:HA	3	0.15
(4,38)	1:3:A:VAL:HG22	1:5:A:GLU:HA	3	0.15
(4,38)	1:3:A:VAL:HG23	1:5:A:GLU:HA	3	0.15
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	5	0.15
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	5	0.15
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	19	0.15
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	19	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	8	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	8	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	8	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	8	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	8	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	8	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	8	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	8	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	8	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	8	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	8	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	8	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	16	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	16	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	16	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	16	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	16	0.15
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	16	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	16	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	16	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	16	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	16	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	16	0.15
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	16	0.15
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	5	0.15
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	5	0.15
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	5	0.15
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	5	0.15
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	5	0.15
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	5	0.15
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	5	0.15
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	5	0.15
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	5	0.15
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	5	0.15
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	5	0.15
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	5	0.15
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	5	0.15
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	5	0.15
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	5	0.15
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	5	0.15
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	5	0.15
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	5	0.15
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	5	0.15
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	5	0.15
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	5	0.15
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	5	0.15
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	5	0.15
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	5	0.15
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	5	0.15
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	5	0.15
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	5	0.15
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	5	0.15
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	5	0.15
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	5	0.15
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	5	0.15
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	5	0.15
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	5	0.15
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	5	0.15
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	5	0.15
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE1	12	0.15
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE2	12	0.15
(4,20)	1:70:A:ILE:HD11	1:95:A:MET:HE3	12	0.15
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE1	12	0.15
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE2	12	0.15
(4,20)	1:70:A:ILE:HD12	1:95:A:MET:HE3	12	0.15
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE1	12	0.15
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,20)	1:70:A:ILE:HD13	1:95:A:MET:HE3	12	0.15
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB2	10	0.15
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB3	10	0.15
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB2	10	0.15
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB3	10	0.15
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB2	10	0.15
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB3	10	0.15
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB2	10	0.15
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB3	10	0.15
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB2	10	0.15
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB3	10	0.15
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB2	10	0.15
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB3	10	0.15
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	5	0.15
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	5	0.15
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	5	0.15
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	5	0.15
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	5	0.15
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	5	0.15
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	13	0.15
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	13	0.15
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	13	0.15
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	13	0.15
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	13	0.15
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	13	0.15
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	19	0.15
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	19	0.15
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	19	0.15
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	19	0.15
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	19	0.15
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	19	0.15
(3,2)	1:123:A:ASP:OD2	1:125:A:LEU:H	11	0.15
(1,69)	1:111:A:LEU:O	1:115:A:HIS:H	7	0.15
(1,69)	1:111:A:LEU:O	1:115:A:HIS:H	19	0.15
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	10	0.15
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	11	0.15
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	16	0.15
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	19	0.15
(1,38)	1:50:A:ARG:O	1:42:A:TYR:N	16	0.15
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	11	0.15
(8,93)	1:135:A:PHE:HD1	1:102:A:HIS:HE1	15	0.14
(8,93)	1:135:A:PHE:HD2	1:102:A:HIS:HE1	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	16	0.14
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	16	0.14
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	12	0.14
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	12	0.14
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	17	0.14
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	17	0.14
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	20	0.14
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	20	0.14
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	20	0.14
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	20	0.14
(8,34)	1:110:A:TYR:HD1	1:115:A:HIS:HE1	6	0.14
(8,34)	1:110:A:TYR:HD2	1:115:A:HIS:HE1	6	0.14
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	12	0.14
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	12	0.14
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	12	0.14
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	12	0.14
(8,1)	1:82:A:TYR:HE1	1:119:A:HIS:HE1	18	0.14
(8,1)	1:82:A:TYR:HE2	1:119:A:HIS:HE1	18	0.14
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	4	0.14
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	3	0.14
(6,1359)	1:108:A:LYS:HD2	1:105:A:ALA:H	4	0.14
(6,1359)	1:108:A:LYS:HD3	1:105:A:ALA:H	4	0.14
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD21	13	0.14
(6,1352)	1:84:A:PRO:HD2	1:83:A:ASN:HD22	13	0.14
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD21	13	0.14
(6,1352)	1:84:A:PRO:HD3	1:83:A:ASN:HD22	13	0.14
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	7	0.14
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	7	0.14
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	10	0.14
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	10	0.14
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB2	13	0.14
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB3	13	0.14
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	2	0.14
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	2	0.14
(6,1328)	1:42:A:TYR:HB2	1:42:A:TYR:H	11	0.14
(6,1328)	1:42:A:TYR:HB3	1:42:A:TYR:H	11	0.14
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	4	0.14
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	5	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	1	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	1	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	1	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	5	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	5	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	5	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	5	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	7	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	7	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	7	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	7	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	18	0.14
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	18	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	18	0.14
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	18	0.14
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	3	0.14
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	3	0.14
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	3	0.14
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	3	0.14
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	20	0.14
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	20	0.14
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	20	0.14
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	20	0.14
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	3	0.14
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	3	0.14
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	3	0.14
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	3	0.14
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	20	0.14
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	20	0.14
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	20	0.14
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	20	0.14
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	3	0.14
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	3	0.14
(6,1278)	1:79:A:THR:HG21	1:83:A:ASN:HD21	15	0.14
(6,1278)	1:79:A:THR:HG21	1:83:A:ASN:HD22	15	0.14
(6,1278)	1:79:A:THR:HG22	1:83:A:ASN:HD21	15	0.14
(6,1278)	1:79:A:THR:HG22	1:83:A:ASN:HD22	15	0.14
(6,1278)	1:79:A:THR:HG23	1:83:A:ASN:HD21	15	0.14
(6,1278)	1:79:A:THR:HG23	1:83:A:ASN:HD22	15	0.14
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	3	0.14
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	3	0.14
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	3	0.14
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	3	0.14
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	20	0.14
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	20	0.14
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	20	0.14
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	3	0.14
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	3	0.14
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	3	0.14
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	3	0.14
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	20	0.14
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	20	0.14
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	20	0.14
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	20	0.14
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	4	0.14
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	4	0.14
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	4	0.14
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	4	0.14
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	4	0.14
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	4	0.14
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	4	0.14
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	4	0.14
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD21	9	0.14
(6,1268)	1:45:A:ASN:HB2	1:45:A:ASN:HD22	9	0.14
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD21	9	0.14
(6,1268)	1:45:A:ASN:HB3	1:45:A:ASN:HD22	9	0.14
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	10	0.14
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	10	0.14
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG2	19	0.14
(6,1264)	1:117:A:TRP:HE1	1:120:A:PRO:HG3	19	0.14
(6,1246)	1:45:A:ASN:HB2	1:46:A:ASP:H	19	0.14
(6,1246)	1:45:A:ASN:HB3	1:46:A:ASP:H	19	0.14
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	4	0.14
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	4	0.14
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	4	0.14
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	4	0.14
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	4	0.14
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	4	0.14
(6,1240)	1:90:A:LYS:HG2	1:90:A:LYS:H	12	0.14
(6,1240)	1:90:A:LYS:HG3	1:90:A:LYS:H	12	0.14
(6,1237)	1:22:A:VAL:HG11	1:13:A:SER:H	8	0.14
(6,1237)	1:22:A:VAL:HG12	1:13:A:SER:H	8	0.14
(6,1237)	1:22:A:VAL:HG13	1:13:A:SER:H	8	0.14
(6,1237)	1:22:A:VAL:HG21	1:13:A:SER:H	8	0.14
(6,1237)	1:22:A:VAL:HG22	1:13:A:SER:H	8	0.14
(6,1237)	1:22:A:VAL:HG23	1:13:A:SER:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1237)	1:22:A:VAL:HG11	1:13:A:SER:H	13	0.14
(6,1237)	1:22:A:VAL:HG12	1:13:A:SER:H	13	0.14
(6,1237)	1:22:A:VAL:HG13	1:13:A:SER:H	13	0.14
(6,1237)	1:22:A:VAL:HG21	1:13:A:SER:H	13	0.14
(6,1237)	1:22:A:VAL:HG22	1:13:A:SER:H	13	0.14
(6,1237)	1:22:A:VAL:HG23	1:13:A:SER:H	13	0.14
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	4	0.14
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	4	0.14
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	13	0.14
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	14	0.14
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	3	0.14
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	3	0.14
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	16	0.14
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	16	0.14
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	8	0.14
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	8	0.14
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	8	0.14
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	4	0.14
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	8	0.14
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	19	0.14
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	13	0.14
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	13	0.14
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	20	0.14
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	20	0.14
(6,1137)	1:23:A:ARG:HB2	1:25:A:THR:H	20	0.14
(6,1137)	1:23:A:ARG:HB3	1:25:A:THR:H	20	0.14
(6,1135)	1:24:A:GLU:HB2	1:25:A:THR:H	10	0.14
(6,1135)	1:24:A:GLU:HB3	1:25:A:THR:H	10	0.14
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	2	0.14
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	8	0.14
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	9	0.14
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	10	0.14
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	13	0.14
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	8	0.14
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	8	0.14
(6,1036)	1:33:A:LYS:HG2	1:33:A:LYS:H	5	0.14
(6,1036)	1:33:A:LYS:HG3	1:33:A:LYS:H	5	0.14
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	11	0.14
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	11	0.14
(6,1009)	1:53:A:MET:HG2	1:38:A:VAL:H	4	0.14
(6,1009)	1:53:A:MET:HG3	1:38:A:VAL:H	4	0.14
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	5	0.14
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	10	0.14
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	10	0.14
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	10	0.14
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	10	0.14
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	10	0.14
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	10	0.14
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	14	0.14
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	14	0.14
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	14	0.14
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	14	0.14
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	14	0.14
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	14	0.14
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	17	0.14
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	17	0.14
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	17	0.14
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	17	0.14
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	17	0.14
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	17	0.14
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	5	0.14
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	8	0.14
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	8	0.14
(6,951)	1:42:A:TYR:HB2	1:50:A:ARG:H	4	0.14
(6,951)	1:42:A:TYR:HB3	1:50:A:ARG:H	4	0.14
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	12	0.14
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	12	0.14
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	5	0.14
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	5	0.14
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	15	0.14
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	15	0.14
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	19	0.14
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	19	0.14
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	20	0.14
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	20	0.14
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	5	0.14
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	5	0.14
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	16	0.14
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	16	0.14
(6,930)	1:15:A:TYR:HH	1:52:A:LEU:H	20	0.14
(6,924)	1:39:A:LEU:HA	1:53:A:MET:H	13	0.14
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	8	0.14
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	7	0.14
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	7	0.14
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	19	0.14
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	19	0.14
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	3	0.14
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	7	0.14
(6,864)	1:64:A:ARG:HD2	1:65:A:GLY:H	19	0.14
(6,864)	1:64:A:ARG:HD3	1:65:A:GLY:H	19	0.14
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	19	0.14
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	19	0.14
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	4	0.14
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	4	0.14
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	11	0.14
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	11	0.14
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	18	0.14
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	18	0.14
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	18	0.14
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	18	0.14
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	18	0.14
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	18	0.14
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	1	0.14
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	1	0.14
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	1	0.14
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	1	0.14
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	1	0.14
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	1	0.14
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	2	0.14
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	2	0.14
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	2	0.14
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	2	0.14
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	2	0.14
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	2	0.14
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	12	0.14
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	12	0.14
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	12	0.14
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	12	0.14
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	12	0.14
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	12	0.14
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	18	0.14
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	18	0.14
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	18	0.14
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	18	0.14
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	18	0.14
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	3	0.14
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	3	0.14
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	9	0.14
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	9	0.14
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	9	0.14
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	9	0.14
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	9	0.14
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	9	0.14
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB2	6	0.14
(6,784)	1:79:A:THR:H	1:78:A:ASP:HB3	6	0.14
(6,729)	1:87:A:CYS:HB2	1:88:A:PHE:H	7	0.14
(6,729)	1:87:A:CYS:HB3	1:88:A:PHE:H	7	0.14
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	14	0.14
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	14	0.14
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	14	0.14
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	14	0.14
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	14	0.14
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	14	0.14
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	16	0.14
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	16	0.14
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	16	0.14
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	16	0.14
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	16	0.14
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	16	0.14
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	10	0.14
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	10	0.14
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	1	0.14
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	1	0.14
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	10	0.14
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	10	0.14
(6,707)	1:92:A:THR:HG21	1:92:A:THR:H	17	0.14
(6,707)	1:92:A:THR:HG22	1:92:A:THR:H	17	0.14
(6,707)	1:92:A:THR:HG23	1:92:A:THR:H	17	0.14
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	5	0.14
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	7	0.14
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	12	0.14
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	16	0.14
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	19	0.14
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	19	0.14
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	5	0.14
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	5	0.14
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	3	0.14
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	5	0.14
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	8	0.14
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	16	0.14
(6,651)	1:102:A:HIS:H	1:103:A:VAL:H	7	0.14
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	9	0.14
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	9	0.14
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	9	0.14
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	9	0.14
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	15	0.14
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	15	0.14
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	19	0.14
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	19	0.14
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	11	0.14
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	11	0.14
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	15	0.14
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	15	0.14
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	6	0.14
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	6	0.14
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	15	0.14
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	15	0.14
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	8	0.14
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	3	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	5	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	7	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	11	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	12	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	15	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	18	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	19	0.14
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	20	0.14
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	2	0.14
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	7	0.14
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	14	0.14
(6,561)	1:114:A:LEU:HB2	1:111:A:LEU:H	12	0.14
(6,561)	1:114:A:LEU:HB3	1:111:A:LEU:H	12	0.14
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG2	20	0.14
(6,547)	1:113:A:TYR:H	1:112:A:PRO:HG3	20	0.14
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	4	0.14
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	8	0.14
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	12	0.14
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	17	0.14
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	20	0.14
(6,542)	1:114:A:LEU:H	1:115:A:HIS:HD2	20	0.14
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	1	0.14
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	1	0.14
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	1	0.14
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	1	0.14
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	1	0.14
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	1	0.14
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	18	0.14
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	18	0.14
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	18	0.14
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	18	0.14
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	18	0.14
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	18	0.14
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	9	0.14
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	9	0.14
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	11	0.14
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	11	0.14
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	1	0.14
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	1	0.14
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	17	0.14
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	17	0.14
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	2	0.14
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	2	0.14
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	6	0.14
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	6	0.14
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	1	0.14
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	18	0.14
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	3	0.14
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	6	0.14
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	12	0.14
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	13	0.14
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	3	0.14
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	9	0.14
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	2	0.14
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	2	0.14
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	18	0.14
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	18	0.14
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	18	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	2	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	2	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	2	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	2	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	2	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	2	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	5	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	5	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	5	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	5	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	5	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	5	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	19	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	19	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	19	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	19	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	19	0.14
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	19	0.14
(6,304)	1:134:A:VAL:HG11	1:135:A:PHE:H	12	0.14
(6,304)	1:134:A:VAL:HG12	1:135:A:PHE:H	12	0.14
(6,304)	1:134:A:VAL:HG13	1:135:A:PHE:H	12	0.14
(6,301)	1:135:A:PHE:H	1:136:A:GLY:H	16	0.14
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	2	0.14
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	2	0.14
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	20	0.14
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	20	0.14
(6,275)	1:142:A:PHE:HB2	1:143:A:SER:H	19	0.14
(6,275)	1:142:A:PHE:HB3	1:143:A:SER:H	19	0.14
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	18	0.14
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	18	0.14
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	18	0.14
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	18	0.14
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	2	0.14
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	4	0.14
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	3	0.14
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	3	0.14
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	11	0.14
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	11	0.14
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	15	0.14
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	15	0.14
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	1	0.14
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	1	0.14
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	3	0.14
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	3	0.14
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	4	0.14
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	4	0.14
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	14	0.14
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	14	0.14
(6,136)	1:14:A:LYS:HG2	1:14:A:LYS:H	12	0.14
(6,136)	1:14:A:LYS:HG3	1:14:A:LYS:H	12	0.14
(6,135)	1:14:A:LYS:HG2	1:14:A:LYS:H	12	0.14
(6,135)	1:14:A:LYS:HG3	1:14:A:LYS:H	12	0.14
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	5	0.14
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	9	0.14
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	9	0.14
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	9	0.14
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	9	0.14
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	9	0.14
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	9	0.14
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	15	0.14
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	16	0.14
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	17	0.14
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	18	0.14
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG21	10	0.14
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG22	10	0.14
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG23	10	0.14
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG21	10	0.14
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG22	10	0.14
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG23	10	0.14
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	10	0.14
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	10	0.14
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	10	0.14
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	10	0.14
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	2	0.14
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	2	0.14
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	9	0.14
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	9	0.14
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	19	0.14
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	19	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	5	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	5	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	6	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	18	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	18	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	20	0.14
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	20	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	5	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	5	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	6	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	6	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	18	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	18	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	20	0.14
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	20	0.14
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	13	0.14
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	13	0.14
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG2	10	0.14
(4,3148)	1:14:A:LYS:HD2	1:14:A:LYS:HG3	10	0.14
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG2	10	0.14
(4,3148)	1:14:A:LYS:HD3	1:14:A:LYS:HG3	10	0.14
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	7	0.14
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	7	0.14
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	7	0.14
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	7	0.14
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	13	0.14
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	13	0.14
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	13	0.14
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	13	0.14
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	16	0.14
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	16	0.14
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	16	0.14
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	16	0.14
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE2	3	0.14
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE3	3	0.14
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE2	3	0.14
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE3	3	0.14
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE2	3	0.14
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE3	3	0.14
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	13	0.14
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	13	0.14
(4,3060)	1:36:A:LYS:HD2	1:36:A:LYS:HA	13	0.14
(4,3060)	1:36:A:LYS:HD3	1:36:A:LYS:HA	13	0.14
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD2	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD3	3	0.14
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD2	3	0.14
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD3	3	0.14
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD2	10	0.14
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD3	10	0.14
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD2	10	0.14
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD3	10	0.14
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	12	0.14
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	12	0.14
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	14	0.14
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	14	0.14
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	14	0.14
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	14	0.14
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE21	18	0.14
(4,3018)	1:120:A:PRO:HA	1:121:A:GLN:HE22	18	0.14
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	8	0.14
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	8	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	2	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	2	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	2	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	2	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	7	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	7	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	7	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	7	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	12	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	12	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	12	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	12	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	15	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	15	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	15	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	15	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	16	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	16	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	16	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	16	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.14
(4,2983)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.14
(4,2983)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	2	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	2	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	2	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	7	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	7	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	7	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	7	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	12	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	12	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	12	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	12	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	15	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	15	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	15	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	15	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	16	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	16	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	16	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	16	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.14
(4,2982)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.14
(4,2982)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	2	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	2	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	2	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	2	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	7	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	7	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	7	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	7	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	12	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	12	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	12	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	12	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	15	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	15	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	15	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	15	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	16	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	16	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	16	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	20	0.14
(4,2981)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	20	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	20	0.14
(4,2981)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	20	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	2	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	2	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	2	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	2	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	7	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	7	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	7	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	7	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	12	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	12	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	12	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	12	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	15	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	15	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	15	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	15	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	16	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	16	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	16	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	16	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB2	20	0.14
(4,2980)	1:139:A:PRO:HD2	1:139:A:PRO:HB3	20	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB2	20	0.14
(4,2980)	1:139:A:PRO:HD3	1:139:A:PRO:HB3	20	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	2	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	2	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	2	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	2	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	7	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	7	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	7	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	7	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	12	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	12	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	12	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	12	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	15	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	15	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	15	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	16	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	16	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	16	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	16	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.14
(4,2979)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.14
(4,2979)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	2	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	2	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	2	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	2	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	7	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	7	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	7	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	7	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	12	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	12	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	12	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	12	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	15	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	15	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	15	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	15	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	16	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	16	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	16	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	16	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.14
(4,2978)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.14
(4,2978)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	2	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	2	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	2	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	2	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	7	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	7	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	7	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	12	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	12	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	12	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	12	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	15	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	15	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	15	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	15	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	16	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	16	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	16	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	16	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.14
(4,2975)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.14
(4,2975)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	2	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	2	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	2	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	2	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	7	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	7	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	7	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	7	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	12	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	12	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	12	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	12	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	15	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	15	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	15	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	15	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	16	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	16	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	16	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	16	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD2	20	0.14
(4,2969)	1:139:A:PRO:HB2	1:139:A:PRO:HD3	20	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD2	20	0.14
(4,2969)	1:139:A:PRO:HB3	1:139:A:PRO:HD3	20	0.14
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	17	0.14
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	17	0.14
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	17	0.14
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	17	0.14
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	17	0.14
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	15	0.14
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	19	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	3	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	3	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	3	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	3	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	4	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	4	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	4	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	4	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	11	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	11	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	11	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	11	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	13	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	13	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	13	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	13	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	14	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	14	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	14	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	14	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	19	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	19	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	19	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	19	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	20	0.14
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	20	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	20	0.14
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	20	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	3	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	3	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	3	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	3	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	4	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	4	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	4	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	11	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	11	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	11	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	11	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	13	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	13	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	13	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	13	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	14	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	14	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	14	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	14	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	19	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	19	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	19	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	19	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	20	0.14
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	20	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	20	0.14
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	20	0.14
(4,2914)	1:17:A:TYR:HE1	1:16:A:LYS:HD2	9	0.14
(4,2914)	1:17:A:TYR:HE1	1:16:A:LYS:HD3	9	0.14
(4,2914)	1:17:A:TYR:HE2	1:16:A:LYS:HD2	9	0.14
(4,2914)	1:17:A:TYR:HE2	1:16:A:LYS:HD3	9	0.14
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	2	0.14
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	2	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	10	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	10	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	10	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	10	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	10	0.14
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	10	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	10	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	10	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	10	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	10	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	10	0.14
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	10	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	10	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	10	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	10	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	10	0.14
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	10	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	5	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	5	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	12	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	12	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	19	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	19	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	20	0.14
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	20	0.14
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	10	0.14
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	10	0.14
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	12	0.14
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	12	0.14
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	17	0.14
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	17	0.14
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	15	0.14
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	15	0.14
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	15	0.14
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	15	0.14
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	19	0.14
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	19	0.14
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	19	0.14
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	19	0.14
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	4	0.14
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	4	0.14
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	4	0.14
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	4	0.14
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	4	0.14
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	4	0.14
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	4	0.14
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	4	0.14
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	4	0.14
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	4	0.14
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	4	0.14
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	4	0.14
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	4	0.14
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	4	0.14
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	5	0.14
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	5	0.14
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	17	0.14
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	8	0.14
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	8	0.14
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	8	0.14
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	11	0.14
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	11	0.14
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	11	0.14
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	13	0.14
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	13	0.14
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	13	0.14
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	2	0.14
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	2	0.14
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	2	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	6	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	6	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	6	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	7	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	7	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	7	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	8	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	8	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	8	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	9	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	9	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	9	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	11	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	11	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	11	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	15	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	15	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	15	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	17	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	17	0.14
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	17	0.14
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	14	0.14
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	14	0.14
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	14	0.14
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	14	0.14
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	14	0.14
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	14	0.14
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	14	0.14
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	14	0.14
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	20	0.14
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	20	0.14
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	20	0.14
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	20	0.14
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	20	0.14
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	20	0.14
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	20	0.14
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	20	0.14
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	20	0.14
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	12	0.14
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	12	0.14
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	12	0.14
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	12	0.14
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	12	0.14
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	12	0.14
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE1	19	0.14
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE2	19	0.14
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE3	19	0.14
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	8	0.14
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	8	0.14
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	8	0.14
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	8	0.14
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	8	0.14
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	8	0.14
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	8	0.14
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	8	0.14
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	8	0.14
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	17	0.14
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	17	0.14
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	17	0.14
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	17	0.14
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	17	0.14
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	17	0.14
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	17	0.14
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	17	0.14
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	17	0.14
(4,2761)	1:135:A:PHE:H	1:131:A:MET:HA	12	0.14
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	1	0.14
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	3	0.14
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	8	0.14
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	13	0.14
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG21	2	0.14
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG22	2	0.14
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG23	2	0.14
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG21	2	0.14
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG22	2	0.14
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG23	2	0.14
(4,2728)	1:129:A:GLN:HB2	1:129:A:GLN:H	6	0.14
(4,2728)	1:129:A:GLN:HB3	1:129:A:GLN:H	6	0.14
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	18	0.14
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	18	0.14
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	6	0.14
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	6	0.14
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	6	0.14
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	6	0.14
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	6	0.14
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	6	0.14
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	6	0.14
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	6	0.14
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	6	0.14
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	6	0.14
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	6	0.14
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	6	0.14
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	12	0.14
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	12	0.14
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	9	0.14
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	9	0.14
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	9	0.14
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	9	0.14
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	9	0.14
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	9	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	10	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	10	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	14	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	14	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	16	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	16	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	17	0.14
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	17	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	10	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	10	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	14	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	16	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	16	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	17	0.14
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	17	0.14
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	14	0.14
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	14	0.14
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	14	0.14
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	14	0.14
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	14	0.14
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	14	0.14
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	17	0.14
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	17	0.14
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	18	0.14
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	18	0.14
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	9	0.14
(4,2597)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	9	0.14
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	9	0.14
(4,2597)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	9	0.14
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	7	0.14
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	7	0.14
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	7	0.14
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	7	0.14
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	10	0.14
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	10	0.14
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	10	0.14
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	10	0.14
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD11	19	0.14
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD12	19	0.14
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD13	19	0.14
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD21	19	0.14
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD22	19	0.14
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD23	19	0.14
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	4	0.14
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	4	0.14
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	4	0.14
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG21	4	0.14
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG22	4	0.14
(4,2528)	1:113:A:TYR:HB2	1:130:A:VAL:HG23	4	0.14
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	4	0.14
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	4	0.14
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG21	4	0.14
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG22	4	0.14
(4,2528)	1:113:A:TYR:HB3	1:130:A:VAL:HG23	4	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	3	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	3	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	3	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	10	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	10	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	10	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	16	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	16	0.14
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	16	0.14
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	17	0.14
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	17	0.14
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	17	0.14
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	17	0.14
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	17	0.14
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	17	0.14
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	1	0.14
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	1	0.14
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	1	0.14
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	1	0.14
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	1	0.14
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	1	0.14
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	19	0.14
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	19	0.14
(4,2434)	1:103:A:VAL:HG11	1:107:A:GLY:HA2	3	0.14
(4,2434)	1:103:A:VAL:HG11	1:107:A:GLY:HA3	3	0.14
(4,2434)	1:103:A:VAL:HG12	1:107:A:GLY:HA2	3	0.14
(4,2434)	1:103:A:VAL:HG12	1:107:A:GLY:HA3	3	0.14
(4,2434)	1:103:A:VAL:HG13	1:107:A:GLY:HA2	3	0.14
(4,2434)	1:103:A:VAL:HG13	1:107:A:GLY:HA3	3	0.14
(4,2434)	1:103:A:VAL:HG21	1:107:A:GLY:HA2	3	0.14
(4,2434)	1:103:A:VAL:HG21	1:107:A:GLY:HA3	3	0.14
(4,2434)	1:103:A:VAL:HG22	1:107:A:GLY:HA2	3	0.14
(4,2434)	1:103:A:VAL:HG22	1:107:A:GLY:HA3	3	0.14
(4,2434)	1:103:A:VAL:HG23	1:107:A:GLY:HA2	3	0.14
(4,2434)	1:103:A:VAL:HG23	1:107:A:GLY:HA3	3	0.14
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	17	0.14
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	17	0.14
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	8	0.14
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	8	0.14
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG2	12	0.14
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG3	12	0.14
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG2	12	0.14
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG3	12	0.14
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG2	12	0.14
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG3	12	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	1	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	1	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	1	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	1	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	1	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	1	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	2	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	2	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	2	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	2	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	2	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	2	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	7	0.14
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	7	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	7	0.14
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	7	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	7	0.14
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	7	0.14
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	13	0.14
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	13	0.14
(4,2398)	1:105:A:ALA:HA	1:99:A:THR:HB	12	0.14
(4,2394)	1:97:A:ILE:HG21	1:99:A:THR:HB	10	0.14
(4,2394)	1:97:A:ILE:HG22	1:99:A:THR:HB	10	0.14
(4,2394)	1:97:A:ILE:HG23	1:99:A:THR:HB	10	0.14
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD11	4	0.14
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD12	4	0.14
(4,2390)	1:107:A:GLY:HA2	1:97:A:ILE:HD13	4	0.14
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD11	4	0.14
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD12	4	0.14
(4,2390)	1:107:A:GLY:HA3	1:97:A:ILE:HD13	4	0.14
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE1	7	0.14
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE2	7	0.14
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE3	7	0.14
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE1	7	0.14
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE3	7	0.14
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	19	0.14
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	19	0.14
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	19	0.14
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	19	0.14
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	19	0.14
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	19	0.14
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	7	0.14
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	19	0.14
(4,2326)	1:91:A:PRO:HD2	1:91:A:PRO:HA	8	0.14
(4,2326)	1:91:A:PRO:HD3	1:91:A:PRO:HA	8	0.14
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	2	0.14
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	2	0.14
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	16	0.14
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	16	0.14
(4,2298)	1:88:A:PHE:H	1:87:A:CYS:HB2	7	0.14
(4,2298)	1:88:A:PHE:H	1:87:A:CYS:HB3	7	0.14
(4,2289)	1:88:A:PHE:HD1	1:87:A:CYS:HA	19	0.14
(4,2289)	1:88:A:PHE:HD2	1:87:A:CYS:HA	19	0.14
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB2	9	0.14
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB3	9	0.14
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB2	9	0.14
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB3	9	0.14
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB2	9	0.14
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB3	9	0.14
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	5	0.14
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	17	0.14
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	17	0.14
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	17	0.14
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	17	0.14
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	4	0.14
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	4	0.14
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	11	0.14
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	11	0.14
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	15	0.14
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	19	0.14
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	10	0.14
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	11	0.14
(4,2186)	1:44:A:PHE:HE1	1:77:A:LEU:HD11	13	0.14
(4,2186)	1:44:A:PHE:HE1	1:77:A:LEU:HD12	13	0.14
(4,2186)	1:44:A:PHE:HE1	1:77:A:LEU:HD13	13	0.14
(4,2186)	1:44:A:PHE:HE1	1:77:A:LEU:HD21	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2186)	1:44:A:PHE:HE1	1:77:A:LEU:HD22	13	0.14
(4,2186)	1:44:A:PHE:HE1	1:77:A:LEU:HD23	13	0.14
(4,2186)	1:44:A:PHE:HE2	1:77:A:LEU:HD11	13	0.14
(4,2186)	1:44:A:PHE:HE2	1:77:A:LEU:HD12	13	0.14
(4,2186)	1:44:A:PHE:HE2	1:77:A:LEU:HD13	13	0.14
(4,2186)	1:44:A:PHE:HE2	1:77:A:LEU:HD21	13	0.14
(4,2186)	1:44:A:PHE:HE2	1:77:A:LEU:HD22	13	0.14
(4,2186)	1:44:A:PHE:HE2	1:77:A:LEU:HD23	13	0.14
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	4	0.14
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	12	0.14
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	12	0.14
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	12	0.14
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	12	0.14
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	12	0.14
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	12	0.14
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	12	0.14
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	12	0.14
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	12	0.14
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	12	0.14
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	12	0.14
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	12	0.14
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	17	0.14
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	17	0.14
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	17	0.14
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	17	0.14
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	17	0.14
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	17	0.14
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	17	0.14
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	17	0.14
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	17	0.14
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	17	0.14
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	17	0.14
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	17	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD11	3	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD12	3	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD13	3	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD21	3	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD22	3	0.14
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD23	3	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD11	3	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD12	3	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD13	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD21	3	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD22	3	0.14
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD23	3	0.14
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	3	0.14
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	3	0.14
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	3	0.14
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	3	0.14
(4,2150)	1:85:A:PRO:HB2	1:76:A:LEU:HA	11	0.14
(4,2150)	1:85:A:PRO:HB3	1:76:A:LEU:HA	11	0.14
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	13	0.14
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	13	0.14
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	16	0.14
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	16	0.14
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	7	0.14
(4,2144)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	7	0.14
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	7	0.14
(4,2144)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	7	0.14
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	7	0.14
(4,2144)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	7	0.14
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB2	7	0.14
(4,2143)	1:86:A:ILE:HD11	1:75:A:TRP:HB3	7	0.14
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB2	7	0.14
(4,2143)	1:86:A:ILE:HD12	1:75:A:TRP:HB3	7	0.14
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB2	7	0.14
(4,2143)	1:86:A:ILE:HD13	1:75:A:TRP:HB3	7	0.14
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	20	0.14
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	20	0.14
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	20	0.14
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	20	0.14
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	20	0.14
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	20	0.14
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	20	0.14
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	20	0.14
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	20	0.14
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	20	0.14
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	20	0.14
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	20	0.14
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	20	0.14
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	20	0.14
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	20	0.14
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	20	0.14
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	20	0.14
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	20	0.14
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	20	0.14
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	20	0.14
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	20	0.14
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	20	0.14
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	20	0.14
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	20	0.14
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	20	0.14
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	20	0.14
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	20	0.14
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	20	0.14
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	20	0.14
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	20	0.14
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	20	0.14
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	20	0.14
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	20	0.14
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	20	0.14
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	20	0.14
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	1	0.14
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	1	0.14
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	1	0.14
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	1	0.14
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	1	0.14
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	1	0.14
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	1	0.14
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	1	0.14
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	1	0.14
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	1	0.14
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	1	0.14
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	1	0.14
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB2	19	0.14
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB3	19	0.14
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB2	11	0.14
(4,2108)	1:74:A:LEU:HB2	1:55:A:LEU:HB3	11	0.14
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB2	11	0.14
(4,2108)	1:74:A:LEU:HB3	1:55:A:LEU:HB3	11	0.14
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	4	0.14
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	6	0.14
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	9	0.14
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	12	0.14
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	7	0.14
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	7	0.14
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	13	0.14
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	13	0.14
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	13	0.14
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	19	0.14
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	4	0.14
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	4	0.14
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	4	0.14
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	16	0.14
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	16	0.14
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	16	0.14
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG21	19	0.14
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG22	19	0.14
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG23	19	0.14
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG21	19	0.14
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG22	19	0.14
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG23	19	0.14
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG21	19	0.14
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG22	19	0.14
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG23	19	0.14
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	6	0.14
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	6	0.14
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	6	0.14
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	6	0.14
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	6	0.14
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	6	0.14
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	6	0.14
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	6	0.14
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	6	0.14
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	8	0.14
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	8	0.14
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	17	0.14
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	17	0.14
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	4	0.14
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	4	0.14
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	2	0.14
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	2	0.14
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	2	0.14
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	2	0.14
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	18	0.14
(4,1974)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	18	0.14
(4,1974)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	18	0.14
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	2	0.14
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	2	0.14
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	2	0.14
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	2	0.14
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB2	18	0.14
(4,1973)	1:63:A:TYR:HD1	1:63:A:TYR:HB3	18	0.14
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB2	18	0.14
(4,1973)	1:63:A:TYR:HD2	1:63:A:TYR:HB3	18	0.14
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	12	0.14
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	12	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	4	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	4	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	4	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	4	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	4	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	4	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	4	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	4	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	4	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	14	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	14	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	14	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	14	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	14	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	14	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	14	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	14	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	14	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	16	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	16	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	16	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	16	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	16	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	16	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	16	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	16	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	16	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	19	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	19	0.14
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	19	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	19	0.14
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	19	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	19	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	19	0.14
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	19	0.14
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD2	6	0.14
(4,1871)	1:59:A:ILE:HB	1:60:A:PRO:HD3	6	0.14
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	9	0.14
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	9	0.14
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	9	0.14
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	9	0.14
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	9	0.14
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	9	0.14
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	9	0.14
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	9	0.14
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	9	0.14
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	9	0.14
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	9	0.14
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	9	0.14
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	1	0.14
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	1	0.14
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	1	0.14
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	1	0.14
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	1	0.14
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	1	0.14
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	1	0.14
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	1	0.14
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	1	0.14
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	1	0.14
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	1	0.14
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	1	0.14
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	1	0.14
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	1	0.14
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	1	0.14
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	1	0.14
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	1	0.14
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	1	0.14
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	1	0.14
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	1	0.14
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	1	0.14
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	1	0.14
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	1	0.14
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	1	0.14
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	1	0.14
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	1	0.14
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	1	0.14
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	1	0.14
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	1	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	1	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	1	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	1	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	1	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	1	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	1	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	1	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	1	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	1	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	11	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	11	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	11	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	11	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	11	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	11	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	11	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	11	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	11	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	19	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	19	0.14
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	19	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	19	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	19	0.14
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	19	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	19	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	19	0.14
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	19	0.14
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD21	11	0.14
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD22	11	0.14
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD23	11	0.14
(4,1801)	1:54:A:ASN:HA	1:55:A:LEU:HD21	16	0.14
(4,1801)	1:54:A:ASN:HA	1:55:A:LEU:HD22	16	0.14
(4,1801)	1:54:A:ASN:HA	1:55:A:LEU:HD23	16	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	4	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	5	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	6	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	9	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	10	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	14	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	15	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	16	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	18	0.14
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	19	0.14
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	9	0.14
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	9	0.14
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	14	0.14
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	14	0.14
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG2	8	0.14
(4,1748)	1:39:A:LEU:HG	1:51:A:GLU:HG3	8	0.14
(4,1737)	1:44:A:PHE:HE1	1:49:A:SER:HA	7	0.14
(4,1737)	1:44:A:PHE:HE2	1:49:A:SER:HA	7	0.14
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	3	0.14
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	3	0.14
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	3	0.14
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	3	0.14
(4,1708)	1:43:A:VAL:HG11	1:42:A:TYR:HA	9	0.14
(4,1708)	1:43:A:VAL:HG12	1:42:A:TYR:HA	9	0.14
(4,1708)	1:43:A:VAL:HG13	1:42:A:TYR:HA	9	0.14
(4,1708)	1:43:A:VAL:HG21	1:42:A:TYR:HA	9	0.14
(4,1708)	1:43:A:VAL:HG22	1:42:A:TYR:HA	9	0.14
(4,1708)	1:43:A:VAL:HG23	1:42:A:TYR:HA	9	0.14
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	3	0.14
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	3	0.14
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	8	0.14
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	13	0.14
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	3	0.14
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	3	0.14
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	3	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG11	5	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG12	5	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG13	5	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG21	5	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG22	5	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG23	5	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG11	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG12	5	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG13	5	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG21	5	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG22	5	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG23	5	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG11	19	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG12	19	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG13	19	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG21	19	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG22	19	0.14
(4,1665)	1:54:A:ASN:HB2	1:38:A:VAL:HG23	19	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG11	19	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG12	19	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG13	19	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG21	19	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG22	19	0.14
(4,1665)	1:54:A:ASN:HB3	1:38:A:VAL:HG23	19	0.14
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	19	0.14
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	19	0.14
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	19	0.14
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	19	0.14
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	19	0.14
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	19	0.14
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	19	0.14
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	19	0.14
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	19	0.14
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	19	0.14
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	19	0.14
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	19	0.14
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	19	0.14
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	19	0.14
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	19	0.14
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	19	0.14
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	19	0.14
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	19	0.14
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	2	0.14
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	2	0.14
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	3	0.14
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	3	0.14
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	12	0.14
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	12	0.14
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	16	0.14
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	4	0.14
(4,1635)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	4	0.14
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	4	0.14
(4,1635)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	4	0.14
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	13	0.14
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	13	0.14
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	13	0.14
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	13	0.14
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	13	0.14
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	13	0.14
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	13	0.14
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	13	0.14
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	6	0.14
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	6	0.14
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	6	0.14
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	6	0.14
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	18	0.14
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	18	0.14
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	18	0.14
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	18	0.14
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	11	0.14
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	8	0.14
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	8	0.14
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	11	0.14
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	11	0.14
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	15	0.14
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	15	0.14
(4,1603)	1:32:A:TYR:HD1	1:31:A:LEU:HB2	5	0.14
(4,1603)	1:32:A:TYR:HD1	1:31:A:LEU:HB3	5	0.14
(4,1603)	1:32:A:TYR:HD2	1:31:A:LEU:HB2	5	0.14
(4,1603)	1:32:A:TYR:HD2	1:31:A:LEU:HB3	5	0.14
(4,1602)	1:32:A:TYR:HD1	1:31:A:LEU:HB2	5	0.14
(4,1602)	1:32:A:TYR:HD1	1:31:A:LEU:HB3	5	0.14
(4,1602)	1:32:A:TYR:HD2	1:31:A:LEU:HB2	5	0.14
(4,1602)	1:32:A:TYR:HD2	1:31:A:LEU:HB3	5	0.14
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	10	0.14
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	10	0.14
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	15	0.14
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	15	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	1	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	1	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	7	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	7	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	7	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	12	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	12	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	12	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	14	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	14	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	14	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	19	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	19	0.14
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	19	0.14
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	9	0.14
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	9	0.14
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	9	0.14
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	19	0.14
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	19	0.14
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	19	0.14
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	19	0.14
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	19	0.14
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	19	0.14
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	19	0.14
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	19	0.14
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	19	0.14
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	20	0.14
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	20	0.14
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	20	0.14
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	20	0.14
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	20	0.14
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	20	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	10	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	10	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	10	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	10	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	10	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	10	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	14	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	14	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	14	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	14	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	14	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	20	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	20	0.14
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	20	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	20	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	20	0.14
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	20	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	10	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	10	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	10	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	10	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	10	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	10	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	14	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	14	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	14	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	14	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	14	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	14	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	20	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	20	0.14
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	20	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	20	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	20	0.14
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	20	0.14
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	6	0.14
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	6	0.14
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	6	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	5	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	5	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	5	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	5	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	6	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	6	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	6	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	6	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	8	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	8	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	8	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	8	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	20	0.14
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	20	0.14
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	20	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	5	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	5	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	5	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	5	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	6	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	6	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	6	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	6	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	8	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	8	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	8	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	8	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	20	0.14
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	20	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	20	0.14
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	20	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	5	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	5	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	5	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	5	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	6	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	6	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	6	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	6	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	8	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	8	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	8	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	8	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	20	0.14
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	20	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	20	0.14
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	20	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	5	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	5	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	5	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	5	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	6	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	6	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	6	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	8	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	8	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	8	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	8	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	20	0.14
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	20	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	20	0.14
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	20	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	5	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	5	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	5	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	5	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	6	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	6	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	6	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	6	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	8	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	8	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	8	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	8	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	20	0.14
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	20	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	20	0.14
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	20	0.14
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	13	0.14
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	13	0.14
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	13	0.14
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	13	0.14
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	16	0.14
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	16	0.14
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	8	0.14
(4,1446)	1:134:A:VAL:H	1:133:A:VAL:HB	18	0.14
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	9	0.14
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	9	0.14
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	9	0.14
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	10	0.14
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	10	0.14
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	10	0.14
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	11	0.14
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	11	0.14
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	11	0.14
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	4	0.14
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	4	0.14
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	4	0.14
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	4	0.14
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	4	0.14
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	4	0.14
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	4	0.14
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	4	0.14
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	4	0.14
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	4	0.14
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	4	0.14
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD21	16	0.14
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD22	16	0.14
(4,1410)	1:8:A:LEU:HD11	1:55:A:LEU:HD23	16	0.14
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD21	16	0.14
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD22	16	0.14
(4,1410)	1:8:A:LEU:HD12	1:55:A:LEU:HD23	16	0.14
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD21	16	0.14
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD22	16	0.14
(4,1410)	1:8:A:LEU:HD13	1:55:A:LEU:HD23	16	0.14
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD21	16	0.14
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD22	16	0.14
(4,1410)	1:8:A:LEU:HD21	1:55:A:LEU:HD23	16	0.14
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD21	16	0.14
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD22	16	0.14
(4,1410)	1:8:A:LEU:HD22	1:55:A:LEU:HD23	16	0.14
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD21	16	0.14
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD22	16	0.14
(4,1410)	1:8:A:LEU:HD23	1:55:A:LEU:HD23	16	0.14
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD2	20	0.14
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD3	20	0.14
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD2	20	0.14
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD3	20	0.14
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB2	11	0.14
(4,1389)	1:20:A:LEU:HG	1:19:A:ASP:HB3	11	0.14
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	14	0.14
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	14	0.14
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	1	0.14
(4,1369)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	1	0.14
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	1	0.14
(4,1369)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	1	0.14
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	12	0.14
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	12	0.14
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	12	0.14
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	12	0.14
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	12	0.14
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	7	0.14
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	7	0.14
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	7	0.14
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	7	0.14
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	7	0.14
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	7	0.14
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	7	0.14
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	7	0.14
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	7	0.14
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	7	0.14
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	7	0.14
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	7	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	3	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	3	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	6	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	6	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	11	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	11	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	12	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	12	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	17	0.14
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	17	0.14
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	10	0.14
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	10	0.14
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	10	0.14
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	10	0.14
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	1	0.14
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	1	0.14
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	1	0.14
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	1	0.14
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	4	0.14
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	4	0.14
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	4	0.14
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	4	0.14
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	15	0.14
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	15	0.14
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	18	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	2	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	2	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	2	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	2	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	3	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	3	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	3	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	3	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	11	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	11	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	11	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	11	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	20	0.14
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	20	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	20	0.14
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	20	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	2	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	2	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	2	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	2	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	3	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	3	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	3	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	3	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	11	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	11	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	11	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	11	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	20	0.14
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	20	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	20	0.14
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	20	0.14
(4,1266)	1:39:A:LEU:HD11	1:11:A:MET:HG2	2	0.14
(4,1266)	1:39:A:LEU:HD11	1:11:A:MET:HG3	2	0.14
(4,1266)	1:39:A:LEU:HD12	1:11:A:MET:HG2	2	0.14
(4,1266)	1:39:A:LEU:HD12	1:11:A:MET:HG3	2	0.14
(4,1266)	1:39:A:LEU:HD13	1:11:A:MET:HG2	2	0.14
(4,1266)	1:39:A:LEU:HD13	1:11:A:MET:HG3	2	0.14
(4,1266)	1:39:A:LEU:HD21	1:11:A:MET:HG2	2	0.14
(4,1266)	1:39:A:LEU:HD21	1:11:A:MET:HG3	2	0.14
(4,1266)	1:39:A:LEU:HD22	1:11:A:MET:HG2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1266)	1:39:A:LEU:HD22	1:11:A:MET:HG3	2	0.14
(4,1266)	1:39:A:LEU:HD23	1:11:A:MET:HG2	2	0.14
(4,1266)	1:39:A:LEU:HD23	1:11:A:MET:HG3	2	0.14
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD2	15	0.14
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD3	15	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	4	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	4	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	4	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	4	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	4	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	4	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	4	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	4	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	4	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	4	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	4	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	4	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	6	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	6	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	6	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	6	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	6	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	6	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	6	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	6	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	6	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	6	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	6	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	6	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	20	0.14
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	20	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	20	0.14
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	20	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	20	0.14
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	20	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	20	0.14
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	20	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	20	0.14
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	20	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	20	0.14
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	20	0.14
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	10	0.14
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	14	0.14
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	7	0.14
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	8	0.14
(4,1209)	1:10:A:LYS:HG2	1:7:A:GLN:HG2	16	0.14
(4,1209)	1:10:A:LYS:HG2	1:7:A:GLN:HG3	16	0.14
(4,1209)	1:10:A:LYS:HG3	1:7:A:GLN:HG2	16	0.14
(4,1209)	1:10:A:LYS:HG3	1:7:A:GLN:HG3	16	0.14
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	16	0.14
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	16	0.14
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	16	0.14
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	16	0.14
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	16	0.14
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	16	0.14
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	16	0.14
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	16	0.14
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	16	0.14
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	16	0.14
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	16	0.14
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	16	0.14
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	16	0.14
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	16	0.14
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	16	0.14
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	16	0.14
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	16	0.14
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	16	0.14
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	16	0.14
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	16	0.14
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	16	0.14
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	16	0.14
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	16	0.14
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	16	0.14
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	16	0.14
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	16	0.14
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	16	0.14
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	16	0.14
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	10	0.14
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	10	0.14
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	10	0.14
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	10	0.14
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	8	0.14
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	2	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	2	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	7	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	7	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	13	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	13	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	17	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	17	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	18	0.14
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	18	0.14
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	2	0.14
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	2	0.14
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	7	0.14
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	7	0.14
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	13	0.14
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	13	0.14
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	17	0.14
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	17	0.14
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	18	0.14
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	18	0.14
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	2	0.14
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	2	0.14
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	7	0.14
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	7	0.14
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	13	0.14
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	13	0.14
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	17	0.14
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	17	0.14
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	18	0.14
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	18	0.14
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	2	0.14
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	2	0.14
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	7	0.14
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	7	0.14
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	13	0.14
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	13	0.14
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	17	0.14
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	17	0.14
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	18	0.14
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	18	0.14
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	2	0.14
(4,1101)	1:84:A:PRO:HA	1:84:A:PRO:HB3	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE1	7	0.14
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE2	7	0.14
(4,1085)	1:7:A:GLN:HG2	1:11:A:MET:HE3	7	0.14
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE1	7	0.14
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE2	7	0.14
(4,1085)	1:7:A:GLN:HG3	1:11:A:MET:HE3	7	0.14
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	11	0.14
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	11	0.14
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	11	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	5	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	5	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	5	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	5	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	5	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	5	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	5	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	5	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	5	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	14	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	14	0.14
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	14	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	14	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	14	0.14
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	14	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	14	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	14	0.14
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	14	0.14
(4,1078)	1:76:A:LEU:HD11	1:53:A:MET:HE1	16	0.14
(4,1078)	1:76:A:LEU:HD11	1:53:A:MET:HE2	16	0.14
(4,1078)	1:76:A:LEU:HD11	1:53:A:MET:HE3	16	0.14
(4,1078)	1:76:A:LEU:HD12	1:53:A:MET:HE1	16	0.14
(4,1078)	1:76:A:LEU:HD12	1:53:A:MET:HE2	16	0.14
(4,1078)	1:76:A:LEU:HD12	1:53:A:MET:HE3	16	0.14
(4,1078)	1:76:A:LEU:HD13	1:53:A:MET:HE1	16	0.14
(4,1078)	1:76:A:LEU:HD13	1:53:A:MET:HE2	16	0.14
(4,1078)	1:76:A:LEU:HD13	1:53:A:MET:HE3	16	0.14
(4,1078)	1:76:A:LEU:HD21	1:53:A:MET:HE1	16	0.14
(4,1078)	1:76:A:LEU:HD21	1:53:A:MET:HE2	16	0.14
(4,1078)	1:76:A:LEU:HD21	1:53:A:MET:HE3	16	0.14
(4,1078)	1:76:A:LEU:HD22	1:53:A:MET:HE1	16	0.14
(4,1078)	1:76:A:LEU:HD22	1:53:A:MET:HE2	16	0.14
(4,1078)	1:76:A:LEU:HD22	1:53:A:MET:HE3	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1078)	1:76:A:LEU:HD23	1:53:A:MET:HE1	16	0.14
(4,1078)	1:76:A:LEU:HD23	1:53:A:MET:HE2	16	0.14
(4,1078)	1:76:A:LEU:HD23	1:53:A:MET:HE3	16	0.14
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	10	0.14
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	10	0.14
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	10	0.14
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	10	0.14
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG2	18	0.14
(4,1069)	1:131:A:MET:HB2	1:131:A:MET:HG3	18	0.14
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG2	18	0.14
(4,1069)	1:131:A:MET:HB3	1:131:A:MET:HG3	18	0.14
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	10	0.14
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	10	0.14
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	10	0.14
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	10	0.14
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG2	18	0.14
(4,1068)	1:131:A:MET:HB2	1:131:A:MET:HG3	18	0.14
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG2	18	0.14
(4,1068)	1:131:A:MET:HB3	1:131:A:MET:HG3	18	0.14
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	10	0.14
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	10	0.14
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	10	0.14
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	10	0.14
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG2	18	0.14
(4,1067)	1:131:A:MET:HB2	1:131:A:MET:HG3	18	0.14
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG2	18	0.14
(4,1067)	1:131:A:MET:HB3	1:131:A:MET:HG3	18	0.14
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG2	7	0.14
(4,1052)	1:129:A:GLN:HA	1:129:A:GLN:HG3	7	0.14
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	5	0.14
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	5	0.14
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB2	18	0.14
(4,1038)	1:129:A:GLN:HA	1:129:A:GLN:HB3	18	0.14
(4,1031)	1:128:A:ILE:HB	1:128:A:ILE:HD11	12	0.14
(4,1031)	1:128:A:ILE:HB	1:128:A:ILE:HD12	12	0.14
(4,1031)	1:128:A:ILE:HB	1:128:A:ILE:HD13	12	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	11	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	11	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	11	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	11	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	11	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	11	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	11	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	11	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	12	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	12	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	12	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	12	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	12	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	12	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	12	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	12	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	12	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	20	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	20	0.14
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	20	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	20	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	20	0.14
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	20	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	20	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	20	0.14
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	20	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	11	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	11	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	11	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	11	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	11	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	11	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	11	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	11	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	11	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	12	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	12	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	12	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	12	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	12	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	12	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	12	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	12	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	12	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	20	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	20	0.14
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	20	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	20	0.14
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	20	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	20	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	20	0.14
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	20	0.14
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	9	0.14
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	9	0.14
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	9	0.14
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	9	0.14
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	9	0.14
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	9	0.14
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	2	0.14
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD11	3	0.14
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD12	3	0.14
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD13	3	0.14
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD21	3	0.14
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD22	3	0.14
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD23	3	0.14
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	20	0.14
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	20	0.14
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	3	0.14
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	3	0.14
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	3	0.14
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	3	0.14
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	3	0.14
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	3	0.14
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	3	0.14
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	3	0.14
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	3	0.14
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	3	0.14
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	3	0.14
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	3	0.14
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	4	0.14
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	4	0.14
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	4	0.14
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	4	0.14
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	4	0.14
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	4	0.14
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	4	0.14
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	4	0.14
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	4	0.14
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	4	0.14
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	4	0.14
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	6	0.14
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	6	0.14
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	6	0.14
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	6	0.14
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	6	0.14
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	6	0.14
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	6	0.14
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	6	0.14
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	6	0.14
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	6	0.14
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	6	0.14
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	6	0.14
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	3	0.14
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	3	0.14
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	3	0.14
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	3	0.14
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	3	0.14
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	3	0.14
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	3	0.14
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	3	0.14
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	3	0.14
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	3	0.14
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	3	0.14
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	3	0.14
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	4	0.14
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	4	0.14
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	4	0.14
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	4	0.14
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	4	0.14
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	4	0.14
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	4	0.14
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	4	0.14
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	4	0.14
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	4	0.14
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	4	0.14
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	4	0.14
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	6	0.14
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	6	0.14
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	6	0.14
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	6	0.14
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	6	0.14
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	6	0.14
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	6	0.14
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	6	0.14
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	6	0.14
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	6	0.14
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	6	0.14
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	1	0.14
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	1	0.14
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	1	0.14
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	1	0.14
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	1	0.14
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	1	0.14
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	1	0.14
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	1	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	1	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	1	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	1	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	1	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	4	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	4	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	4	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	4	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	6	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	6	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	6	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	6	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	10	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	10	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	10	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	10	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	15	0.14
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	15	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	15	0.14
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	15	0.14
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	13	0.14
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	2	0.14
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	2	0.14
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	2	0.14
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	4	0.14
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	4	0.14
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	13	0.14
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	13	0.14
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	4	0.14
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	4	0.14
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	13	0.14
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	13	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	8	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	8	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	8	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	8	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	8	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	8	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	14	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	14	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	14	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	14	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	14	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	14	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	18	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	18	0.14
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	18	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	18	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	18	0.14
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	18	0.14
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD11	18	0.14
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD12	18	0.14
(4,893)	1:109:A:ILE:HA	1:109:A:ILE:HD13	18	0.14
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	5	0.14
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	5	0.14
(4,840)	1:97:A:ILE:HG12	1:97:A:ILE:HA	8	0.14
(4,840)	1:97:A:ILE:HG13	1:97:A:ILE:HA	8	0.14
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	9	0.14
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	9	0.14
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	9	0.14
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	9	0.14
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	14	0.14
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	14	0.14
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	14	0.14
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	14	0.14
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	3	0.14
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	3	0.14
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	15	0.14
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	15	0.14
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	15	0.14
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	15	0.14
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	15	0.14
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	15	0.14
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	15	0.14
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	15	0.14
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	15	0.14
(4,746)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	4	0.14
(4,746)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	4	0.14
(4,746)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	4	0.14
(4,746)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	4	0.14
(4,746)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	4	0.14
(4,746)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	4	0.14
(4,746)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	4	0.14
(4,746)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	4	0.14
(4,746)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	4	0.14
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	1	0.14
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	1	0.14
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	3	0.14
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	3	0.14
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	5	0.14
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	5	0.14
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	12	0.14
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	12	0.14
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	14	0.14
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	14	0.14
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	20	0.14
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	20	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	1	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	1	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	3	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	3	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	5	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	5	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	12	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	12	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	14	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	20	0.14
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	20	0.14
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	8	0.14
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	8	0.14
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	8	0.14
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	8	0.14
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	8	0.14
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	8	0.14
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	8	0.14
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	8	0.14
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	10	0.14
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	10	0.14
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	14	0.14
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	14	0.14
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	10	0.14
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	10	0.14
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	14	0.14
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	14	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	3	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	3	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	3	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	5	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	5	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	5	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	6	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	6	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	6	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	10	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	10	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	10	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	14	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	14	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	14	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	16	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	16	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	16	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	17	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	17	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	17	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	19	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	19	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	20	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	20	0.14
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	20	0.14
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	9	0.14
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	9	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	5	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	5	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	5	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	7	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	7	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	7	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	8	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	8	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	8	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	10	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	10	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	10	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	11	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	11	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	11	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	13	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	13	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	13	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	17	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	17	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	17	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG21	20	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG22	20	0.14
(4,704)	1:59:A:ILE:HB	1:59:A:ILE:HG23	20	0.14
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	2	0.14
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	2	0.14
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	2	0.14
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	5	0.14
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	5	0.14
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	5	0.14
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	20	0.14
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	20	0.14
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	20	0.14
(4,610)	1:64:A:ARG:HD2	1:64:A:ARG:HA	3	0.14
(4,610)	1:64:A:ARG:HD3	1:64:A:ARG:HA	3	0.14
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	5	0.14
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	5	0.14
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	5	0.14
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	5	0.14
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	5	0.14
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	5	0.14
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	5	0.14
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	8	0.14
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	8	0.14
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	8	0.14
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG21	13	0.14
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG22	13	0.14
(4,564)	1:56:A:THR:HB	1:56:A:THR:HG23	13	0.14
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	10	0.14
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	10	0.14
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	15	0.14
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	15	0.14
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	15	0.14
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	15	0.14
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	15	0.14
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	15	0.14
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	12	0.14
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	12	0.14
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	16	0.14
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	16	0.14
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	9	0.14
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	9	0.14
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	10	0.14
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	10	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	4	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	4	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	8	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	8	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	10	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	10	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	11	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	11	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	13	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	13	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	16	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	16	0.14
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	17	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	19	0.14
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	19	0.14
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	8	0.14
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	8	0.14
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	8	0.14
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	8	0.14
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	8	0.14
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	8	0.14
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	8	0.14
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	8	0.14
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	8	0.14
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	8	0.14
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	8	0.14
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	8	0.14
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	8	0.14
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	8	0.14
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	8	0.14
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	8	0.14
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	8	0.14
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	8	0.14
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	4	0.14
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	4	0.14
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG2	11	0.14
(4,421)	1:33:A:LYS:HA	1:33:A:LYS:HG3	11	0.14
(4,366)	1:29:A:ILE:HA	1:29:A:ILE:HB	7	0.14
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	2	0.14
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	10	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	5	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	5	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	5	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	5	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	6	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	6	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	6	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	6	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	8	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	8	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	8	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	8	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	20	0.14
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	20	0.14
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	20	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	5	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	5	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	5	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	5	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	6	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	6	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	6	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	6	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	8	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	8	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	8	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	8	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	20	0.14
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	20	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	20	0.14
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	20	0.14
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	2	0.14
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	2	0.14
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	17	0.14
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	17	0.14
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	8	0.14
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	11	0.14
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	12	0.14
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	17	0.14
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	17	0.14
(4,286)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	17	0.14
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	17	0.14
(4,286)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	17	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	4	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	4	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	4	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	4	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	7	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	7	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	7	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	7	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	12	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	12	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	12	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	12	0.14
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,285)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	19	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	19	0.14
(4,285)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	19	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	4	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	4	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	4	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	4	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	7	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	7	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	7	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	7	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	12	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	12	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	12	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	12	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD2	19	0.14
(4,284)	1:18:A:ARG:HG2	1:18:A:ARG:HD3	19	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD2	19	0.14
(4,284)	1:18:A:ARG:HG3	1:18:A:ARG:HD3	19	0.14
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	12	0.14
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	12	0.14
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	12	0.14
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	12	0.14
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	12	0.14
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	12	0.14
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	12	0.14
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	12	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	4	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	4	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	4	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	4	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	7	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	7	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	7	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	7	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	12	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	12	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	12	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	12	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG2	19	0.14
(4,275)	1:18:A:ARG:HD2	1:18:A:ARG:HG3	19	0.14
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,275)	1:18:A:ARG:HD3	1:18:A:ARG:HG3	19	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	8	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	10	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	11	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	14	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	17	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	18	0.14
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	19	0.14
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	12	0.14
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	12	0.14
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	12	0.14
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	12	0.14
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB2	12	0.14
(4,249)	1:15:A:TYR:HA	1:15:A:TYR:HB3	12	0.14
(4,221)	1:15:A:TYR:HD1	1:12:A:VAL:HB	9	0.14
(4,221)	1:15:A:TYR:HD2	1:12:A:VAL:HB	9	0.14
(4,219)	1:53:A:MET:HE1	1:12:A:VAL:HB	3	0.14
(4,219)	1:53:A:MET:HE2	1:12:A:VAL:HB	3	0.14
(4,219)	1:53:A:MET:HE3	1:12:A:VAL:HB	3	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	2	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	2	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	2	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	2	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	2	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	2	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	2	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	2	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	2	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	2	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	2	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	2	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	12	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	12	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	12	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	12	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	12	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	12	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	12	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	12	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	12	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	12	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	12	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	13	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	13	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	13	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	13	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	13	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	13	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	13	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	13	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	13	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	13	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	13	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	13	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	16	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	16	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	16	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	16	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	16	0.14
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	16	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	16	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	16	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	16	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	16	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	16	0.14
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	16	0.14
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	4	0.14
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	4	0.14
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	4	0.14
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	4	0.14
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	4	0.14
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	4	0.14
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	4	0.14
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	4	0.14
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	4	0.14
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	4	0.14
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	4	0.14
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	4	0.14
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	18	0.14
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	18	0.14
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	18	0.14
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	3	0.14
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	3	0.14
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	3	0.14
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	2	0.14
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	2	0.14
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	2	0.14
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	2	0.14
(4,88)	1:44:A:PHE:HE1	1:50:A:ARG:HB2	7	0.14
(4,88)	1:44:A:PHE:HE1	1:50:A:ARG:HB3	7	0.14
(4,88)	1:44:A:PHE:HE2	1:50:A:ARG:HB2	7	0.14
(4,88)	1:44:A:PHE:HE2	1:50:A:ARG:HB3	7	0.14
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	6	0.14
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	6	0.14
(4,80)	1:76:A:LEU:HB2	1:76:A:LEU:HA	16	0.14
(4,80)	1:76:A:LEU:HB3	1:76:A:LEU:HA	16	0.14
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	2	0.14
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	2	0.14
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	2	0.14
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	2	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG11	11	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG12	11	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG13	11	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG11	11	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG12	11	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG13	11	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG11	11	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG12	11	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG13	11	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG11	15	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG12	15	0.14
(4,40)	1:55:A:LEU:HD21	1:28:A:VAL:HG13	15	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG11	15	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG12	15	0.14
(4,40)	1:55:A:LEU:HD22	1:28:A:VAL:HG13	15	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG11	15	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG12	15	0.14
(4,40)	1:55:A:LEU:HD23	1:28:A:VAL:HG13	15	0.14
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	18	0.14
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	18	0.14
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	9	0.14
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	9	0.14
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	9	0.14
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	9	0.14
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	9	0.14
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	9	0.14
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	9	0.14
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	9	0.14
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	9	0.14
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	9	0.14
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	9	0.14
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	6	0.14
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	6	0.14
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	6	0.14
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	6	0.14
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	6	0.14
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	6	0.14
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	6	0.14
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	6	0.14
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	6	0.14
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	15	0.14
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	15	0.14
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	15	0.14
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	15	0.14
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	15	0.14
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	15	0.14
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	15	0.14
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	15	0.14
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	15	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD2	16	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	16	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD2	16	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	16	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD2	17	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	17	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD2	17	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	17	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD2	18	0.14
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	18	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD2	18	0.14
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	18	0.14
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB2	9	0.14
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB3	9	0.14
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB2	9	0.14
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB2	9	0.14
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB3	9	0.14
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB2	9	0.14
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB3	9	0.14
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB2	9	0.14
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB3	9	0.14
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB2	9	0.14
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB3	9	0.14
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	16	0.14
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	16	0.14
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	16	0.14
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	16	0.14
(1,69)	1:111:A:LEU:O	1:115:A:HIS:H	15	0.14
(1,57)	1:72:A:ILE:O	1:57:A:GLY:H	5	0.14
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	7	0.14
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	15	0.14
(1,50)	1:59:A:ILE:O	1:70:A:ILE:N	12	0.14
(1,47)	1:56:A:THR:O	1:36:A:LYS:H	7	0.14
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	15	0.14
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE1	18	0.13
(8,81)	1:67:A:THR:H	1:63:A:TYR:HE2	18	0.13
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE1	1	0.13
(8,79)	1:54:A:ASN:HD22	1:42:A:TYR:HE2	1	0.13
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	1	0.13
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	1	0.13
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	10	0.13
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	10	0.13
(8,58)	1:110:A:TYR:HE1	1:115:A:HIS:HD2	19	0.13
(8,58)	1:110:A:TYR:HE2	1:115:A:HIS:HD2	19	0.13
(8,57)	1:110:A:TYR:HE1	1:102:A:HIS:HD2	11	0.13
(8,57)	1:110:A:TYR:HE2	1:102:A:HIS:HD2	11	0.13
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	1	0.13
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	1	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	1	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	1	0.13
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	8	0.13
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	8	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	8	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	8	0.13
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	15	0.13
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	15	0.13
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	15	0.13
(8,34)	1:110:A:TYR:HD1	1:115:A:HIS:HE1	15	0.13
(8,34)	1:110:A:TYR:HD2	1:115:A:HIS:HE1	15	0.13
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	11	0.13
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	11	0.13
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	11	0.13
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	11	0.13
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	1	0.13
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	18	0.13
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	15	0.13
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	17	0.13
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	5	0.13
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	5	0.13
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	5	0.13
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	5	0.13
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	19	0.13
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	19	0.13
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	19	0.13
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	19	0.13
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	5	0.13
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	5	0.13
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	5	0.13
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	5	0.13
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	19	0.13
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	19	0.13
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	19	0.13
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	19	0.13
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	5	0.13
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	5	0.13
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	5	0.13
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	5	0.13
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	19	0.13
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	19	0.13
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	19	0.13
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	19	0.13
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	17	0.13
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	17	0.13
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	17	0.13
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	17	0.13
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	17	0.13
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	17	0.13
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	17	0.13
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	11	0.13
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	11	0.13
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	17	0.13
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	17	0.13
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	18	0.13
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	18	0.13
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	17	0.13
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	17	0.13
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	17	0.13
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	17	0.13
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	17	0.13
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	17	0.13
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	17	0.13
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	17	0.13
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	5	0.13
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	5	0.13
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	5	0.13
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	5	0.13
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	5	0.13
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	5	0.13
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	12	0.13
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	12	0.13
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	12	0.13
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	12	0.13
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	12	0.13
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	12	0.13
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	17	0.13
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	17	0.13
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	10	0.13
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	17	0.13
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	17	0.13
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	17	0.13
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	17	0.13
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	17	0.13
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	17	0.13
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	14	0.13
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	14	0.13
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	14	0.13
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	1	0.13
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	7	0.13
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	7	0.13
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	7	0.13
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	7	0.13
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	7	0.13
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	17	0.13
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	17	0.13
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	17	0.13
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	17	0.13
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	17	0.13
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	17	0.13
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	19	0.13
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	19	0.13
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	19	0.13
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	19	0.13
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	19	0.13
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	19	0.13
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	12	0.13
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	1	0.13
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	1	0.13
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	17	0.13
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	17	0.13
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	17	0.13
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	5	0.13
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	5	0.13
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	8	0.13
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	8	0.13
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	9	0.13
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	9	0.13
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	12	0.13
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	12	0.13
(6,1151)	1:9:A:LYS:HD2	1:9:A:LYS:H	17	0.13
(6,1151)	1:9:A:LYS:HD3	1:9:A:LYS:H	17	0.13
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	16	0.13
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	17	0.13
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	19	0.13
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	10	0.13
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	10	0.13
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	10	0.13
(6,1076)	1:33:A:LYS:H	1:31:A:LEU:H	13	0.13
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	2	0.13
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	2	0.13
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	3	0.13
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	19	0.13
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	19	0.13
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	12	0.13
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	12	0.13
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	13	0.13
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	13	0.13
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	8	0.13
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	8	0.13
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	8	0.13
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	8	0.13
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	8	0.13
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	8	0.13
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	11	0.13
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	11	0.13
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	11	0.13
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	11	0.13
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	11	0.13
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	11	0.13
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	12	0.13
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	12	0.13
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	12	0.13
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	12	0.13
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	12	0.13
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	12	0.13
(6,990)	1:44:A:PHE:HB2	1:44:A:PHE:H	18	0.13
(6,990)	1:44:A:PHE:HB3	1:44:A:PHE:H	18	0.13
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	1	0.13
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	15	0.13
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	16	0.13
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	9	0.13
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	9	0.13
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	12	0.13
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	12	0.13
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	4	0.13
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	4	0.13
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	4	0.13
(6,920)	1:52:A:LEU:HD11	1:53:A:MET:H	12	0.13
(6,920)	1:52:A:LEU:HD12	1:53:A:MET:H	12	0.13
(6,920)	1:52:A:LEU:HD13	1:53:A:MET:H	12	0.13
(6,920)	1:52:A:LEU:HD11	1:53:A:MET:H	15	0.13
(6,920)	1:52:A:LEU:HD12	1:53:A:MET:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,920)	1:52:A:LEU:HD13	1:53:A:MET:H	15	0.13
(6,919)	1:15:A:TYR:HH	1:53:A:MET:H	5	0.13
(6,919)	1:15:A:TYR:HH	1:53:A:MET:H	12	0.13
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	15	0.13
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	5	0.13
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	5	0.13
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	7	0.13
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	7	0.13
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	2	0.13
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	2	0.13
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	9	0.13
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	9	0.13
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	14	0.13
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	14	0.13
(6,909)	1:74:A:LEU:HB2	1:55:A:LEU:H	5	0.13
(6,909)	1:74:A:LEU:HB3	1:55:A:LEU:H	5	0.13
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	6	0.13
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	17	0.13
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	8	0.13
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	8	0.13
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	8	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	7	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	7	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	8	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	8	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	9	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	9	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	12	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	12	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	14	0.13
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	14	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	7	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	7	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	8	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	8	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	9	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	9	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	12	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	12	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	14	0.13
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	14	0.13
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	12	0.13
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	6	0.13
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	6	0.13
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	6	0.13
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	6	0.13
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	6	0.13
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	6	0.13
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	7	0.13
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	7	0.13
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	7	0.13
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	7	0.13
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	7	0.13
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	7	0.13
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	14	0.13
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	14	0.13
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	14	0.13
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	14	0.13
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	14	0.13
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	14	0.13
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	19	0.13
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	19	0.13
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	19	0.13
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	19	0.13
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	19	0.13
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	19	0.13
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	14	0.13
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	14	0.13
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB2	6	0.13
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB3	6	0.13
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB2	16	0.13
(6,801)	1:76:A:LEU:H	1:75:A:TRP:HB3	16	0.13
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	18	0.13
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	18	0.13
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	18	0.13
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	18	0.13
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	18	0.13
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	18	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	8	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	8	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	12	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	12	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	17	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	19	0.13
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	19	0.13
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	12	0.13
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	12	0.13
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	12	0.13
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	12	0.13
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	12	0.13
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	12	0.13
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	2	0.13
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	2	0.13
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	6	0.13
(6,706)	1:92:A:THR:HA	1:92:A:THR:H	10	0.13
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	1	0.13
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	1	0.13
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	14	0.13
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	14	0.13
(6,695)	1:94:A:SER:HB2	1:94:A:SER:H	17	0.13
(6,695)	1:94:A:SER:HB3	1:94:A:SER:H	17	0.13
(6,689)	1:95:A:MET:HG2	1:95:A:MET:H	15	0.13
(6,689)	1:95:A:MET:HG3	1:95:A:MET:H	15	0.13
(6,685)	1:95:A:MET:HB2	1:96:A:THR:H	8	0.13
(6,685)	1:95:A:MET:HB3	1:96:A:THR:H	8	0.13
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	8	0.13
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	8	0.13
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	8	0.13
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	8	0.13
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	8	0.13
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	8	0.13
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG11	5	0.13
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG12	5	0.13
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG13	5	0.13
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG21	5	0.13
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG22	5	0.13
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG23	5	0.13
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	19	0.13
(6,655)	1:101:A:LYS:H	1:101:A:LYS:HB2	17	0.13
(6,655)	1:101:A:LYS:H	1:101:A:LYS:HB3	17	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	1	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	2	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	4	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	7	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	9	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	10	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	11	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	14	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	18	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	19	0.13
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	20	0.13
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	1	0.13
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	1	0.13
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	10	0.13
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	10	0.13
(6,627)	1:104:A:ASP:HB2	1:104:A:ASP:H	17	0.13
(6,627)	1:104:A:ASP:HB3	1:104:A:ASP:H	17	0.13
(6,615)	1:104:A:ASP:HB2	1:106:A:ASN:H	7	0.13
(6,615)	1:104:A:ASP:HB3	1:106:A:ASN:H	7	0.13
(6,611)	1:97:A:ILE:HD11	1:106:A:ASN:H	9	0.13
(6,611)	1:97:A:ILE:HD12	1:106:A:ASN:H	9	0.13
(6,611)	1:97:A:ILE:HD13	1:106:A:ASN:H	9	0.13
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	5	0.13
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	5	0.13
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	18	0.13
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	18	0.13
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	9	0.13
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	2	0.13
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	2	0.13
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	16	0.13
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	16	0.13
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	20	0.13
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	20	0.13
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	9	0.13
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	15	0.13
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	11	0.13
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	12	0.13
(6,596)	1:108:A:LYS:HG2	1:108:A:LYS:H	5	0.13
(6,596)	1:108:A:LYS:HG3	1:108:A:LYS:H	5	0.13
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG2	10	0.13
(6,595)	1:108:A:LYS:H	1:108:A:LYS:HG3	10	0.13
(6,591)	1:108:A:LYS:H	1:108:A:LYS:HB2	17	0.13
(6,591)	1:108:A:LYS:H	1:108:A:LYS:HB3	17	0.13
(6,587)	1:88:A:PHE:HA	1:109:A:ILE:H	19	0.13
(6,585)	1:108:A:LYS:HG2	1:109:A:ILE:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,585)	1:108:A:LYS:HG3	1:109:A:ILE:H	6	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	1	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	2	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	3	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	8	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	9	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	13	0.13
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	16	0.13
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	1	0.13
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	5	0.13
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	9	0.13
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	16	0.13
(6,567)	1:111:A:LEU:HD11	1:111:A:LEU:H	14	0.13
(6,567)	1:111:A:LEU:HD12	1:111:A:LEU:H	14	0.13
(6,567)	1:111:A:LEU:HD13	1:111:A:LEU:H	14	0.13
(6,567)	1:111:A:LEU:HD21	1:111:A:LEU:H	14	0.13
(6,567)	1:111:A:LEU:HD22	1:111:A:LEU:H	14	0.13
(6,567)	1:111:A:LEU:HD23	1:111:A:LEU:H	14	0.13
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	7	0.13
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	14	0.13
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	19	0.13
(6,526)	1:114:A:LEU:HD11	1:115:A:HIS:H	3	0.13
(6,526)	1:114:A:LEU:HD12	1:115:A:HIS:H	3	0.13
(6,526)	1:114:A:LEU:HD13	1:115:A:HIS:H	3	0.13
(6,526)	1:114:A:LEU:HD21	1:115:A:HIS:H	3	0.13
(6,526)	1:114:A:LEU:HD22	1:115:A:HIS:H	3	0.13
(6,526)	1:114:A:LEU:HD23	1:115:A:HIS:H	3	0.13
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	19	0.13
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	19	0.13
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	19	0.13
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	19	0.13
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	19	0.13
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	19	0.13
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	20	0.13
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	20	0.13
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	20	0.13
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	20	0.13
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	20	0.13
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	20	0.13
(6,507)	1:78:A:ASP:HB2	1:78:A:ASP:H	13	0.13
(6,507)	1:78:A:ASP:HB3	1:78:A:ASP:H	13	0.13
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	5	0.13
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	15	0.13
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	10	0.13
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	10	0.13
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	12	0.13
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	12	0.13
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB2	18	0.13
(6,443)	1:123:A:ASP:H	1:122:A:SER:HB3	18	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	7	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	7	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	7	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	7	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	7	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	7	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	16	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	16	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	16	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	16	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	16	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	16	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	20	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	20	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	20	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	20	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	20	0.13
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	20	0.13
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	17	0.13
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	17	0.13
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	17	0.13
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	17	0.13
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	14	0.13
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	17	0.13
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	15	0.13
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	15	0.13
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	10	0.13
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	10	0.13
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	3	0.13
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	3	0.13
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	7	0.13
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	7	0.13
(6,273)	1:95:A:MET:HA	1:143:A:SER:H	14	0.13
(6,273)	1:95:A:MET:HA	1:143:A:SER:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	14	0.13
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	9	0.13
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	9	0.13
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	9	0.13
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	9	0.13
(6,262)	1:104:A:ASP:HB2	1:105:A:ALA:H	1	0.13
(6,262)	1:104:A:ASP:HB3	1:105:A:ALA:H	1	0.13
(6,262)	1:104:A:ASP:HB2	1:105:A:ALA:H	5	0.13
(6,262)	1:104:A:ASP:HB3	1:105:A:ALA:H	5	0.13
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	12	0.13
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	12	0.13
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	19	0.13
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	19	0.13
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	5	0.13
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	5	0.13
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	18	0.13
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	18	0.13
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	14	0.13
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	1	0.13
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	1	0.13
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	6	0.13
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	6	0.13
(6,161)	1:16:A:LYS:HB2	1:16:A:LYS:H	19	0.13
(6,161)	1:16:A:LYS:HB3	1:16:A:LYS:H	19	0.13
(6,158)	1:78:A:ASP:HB2	1:16:A:LYS:H	2	0.13
(6,158)	1:78:A:ASP:HB3	1:16:A:LYS:H	2	0.13
(6,136)	1:14:A:LYS:HG2	1:14:A:LYS:H	18	0.13
(6,136)	1:14:A:LYS:HG3	1:14:A:LYS:H	18	0.13
(6,135)	1:14:A:LYS:HG2	1:14:A:LYS:H	18	0.13
(6,135)	1:14:A:LYS:HG3	1:14:A:LYS:H	18	0.13
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	1	0.13
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	3	0.13
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	7	0.13
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	7	0.13
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	7	0.13
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	7	0.13
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	7	0.13
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	7	0.13
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	11	0.13
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	11	0.13
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	11	0.13
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	11	0.13
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	11	0.13
(6,96)	1:51:A:GLU:HG2	1:11:A:MET:H	3	0.13
(6,96)	1:51:A:GLU:HG3	1:11:A:MET:H	3	0.13
(6,89)	1:10:A:LYS:HG2	1:10:A:LYS:H	8	0.13
(6,89)	1:10:A:LYS:HG3	1:10:A:LYS:H	8	0.13
(6,89)	1:10:A:LYS:HG2	1:10:A:LYS:H	12	0.13
(6,89)	1:10:A:LYS:HG3	1:10:A:LYS:H	12	0.13
(6,89)	1:10:A:LYS:HG2	1:10:A:LYS:H	19	0.13
(6,89)	1:10:A:LYS:HG3	1:10:A:LYS:H	19	0.13
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	14	0.13
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	17	0.13
(6,41)	1:5:A:GLU:HG2	1:6:A:SER:H	6	0.13
(6,41)	1:5:A:GLU:HG3	1:6:A:SER:H	6	0.13
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	7	0.13
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	9	0.13
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	12	0.13
(6,19)	1:3:A:VAL:HB	1:4:A:SER:H	14	0.13
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	14	0.13
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	14	0.13
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	14	0.13
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	14	0.13
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	14	0.13
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	14	0.13
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	18	0.13
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	18	0.13
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	18	0.13
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	18	0.13
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	18	0.13
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	18	0.13
(4,3181)	1:90:A:LYS:HD2	1:56:A:THR:HG21	13	0.13
(4,3181)	1:90:A:LYS:HD2	1:56:A:THR:HG22	13	0.13
(4,3181)	1:90:A:LYS:HD2	1:56:A:THR:HG23	13	0.13
(4,3181)	1:90:A:LYS:HD3	1:56:A:THR:HG21	13	0.13
(4,3181)	1:90:A:LYS:HD3	1:56:A:THR:HG22	13	0.13
(4,3181)	1:90:A:LYS:HD3	1:56:A:THR:HG23	13	0.13
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG21	9	0.13
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG22	9	0.13
(4,3176)	1:90:A:LYS:HB2	1:56:A:THR:HG23	9	0.13
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG21	9	0.13
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG22	9	0.13
(4,3176)	1:90:A:LYS:HB3	1:56:A:THR:HG23	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	1	0.13
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	1	0.13
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	1	0.13
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	1	0.13
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	1	0.13
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	1	0.13
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	7	0.13
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	7	0.13
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	7	0.13
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	7	0.13
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	7	0.13
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	7	0.13
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	7	0.13
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	7	0.13
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	7	0.13
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	7	0.13
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	3	0.13
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	3	0.13
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	4	0.13
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	4	0.13
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	13	0.13
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	13	0.13
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	15	0.13
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	15	0.13
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	12	0.13
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	12	0.13
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	12	0.13
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	12	0.13
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	2	0.13
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	2	0.13
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	17	0.13
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	17	0.13
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	17	0.13
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	17	0.13
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG21	20	0.13
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG22	20	0.13
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG23	20	0.13
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG21	20	0.13
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG22	20	0.13
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG23	20	0.13
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	5	0.13
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	5	0.13
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	5	0.13
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	5	0.13
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	5	0.13
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	5	0.13
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	5	0.13
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	5	0.13
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	5	0.13
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	5	0.13
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	5	0.13
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE2	17	0.13
(4,3126)	1:86:A:ILE:HG21	1:108:A:LYS:HE3	17	0.13
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE2	17	0.13
(4,3126)	1:86:A:ILE:HG22	1:108:A:LYS:HE3	17	0.13
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE2	17	0.13
(4,3126)	1:86:A:ILE:HG23	1:108:A:LYS:HE3	17	0.13
(4,3118)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	19	0.13
(4,3118)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	19	0.13
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	12	0.13
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	12	0.13
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	2	0.13
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	2	0.13
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	10	0.13
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	10	0.13
(4,3108)	1:103:A:VAL:HG11	1:98:A:LYS:HA	3	0.13
(4,3108)	1:103:A:VAL:HG12	1:98:A:LYS:HA	3	0.13
(4,3108)	1:103:A:VAL:HG13	1:98:A:LYS:HA	3	0.13
(4,3108)	1:103:A:VAL:HG21	1:98:A:LYS:HA	3	0.13
(4,3108)	1:103:A:VAL:HG22	1:98:A:LYS:HA	3	0.13
(4,3108)	1:103:A:VAL:HG23	1:98:A:LYS:HA	3	0.13
(4,3091)	1:62:A:PRO:HD2	1:132:A:ILE:HG21	13	0.13
(4,3091)	1:62:A:PRO:HD2	1:132:A:ILE:HG22	13	0.13
(4,3091)	1:62:A:PRO:HD2	1:132:A:ILE:HG23	13	0.13
(4,3091)	1:62:A:PRO:HD3	1:132:A:ILE:HG21	13	0.13
(4,3091)	1:62:A:PRO:HD3	1:132:A:ILE:HG22	13	0.13
(4,3091)	1:62:A:PRO:HD3	1:132:A:ILE:HG23	13	0.13
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	6	0.13
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	6	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	1	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	1	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	2	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	4	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	4	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	7	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	7	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	9	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	9	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	10	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	10	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	11	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	11	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	12	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	12	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	14	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	14	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	15	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	15	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	16	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	16	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	17	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	17	0.13
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	20	0.13
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	20	0.13
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	7	0.13
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	7	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	2	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	2	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	2	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	2	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	3	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	3	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	3	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	3	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	4	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	4	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	4	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	4	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	8	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	8	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	8	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	8	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	11	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	11	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	11	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	14	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	14	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	14	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	14	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	16	0.13
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	16	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	16	0.13
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	16	0.13
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD2	2	0.13
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD3	2	0.13
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD2	2	0.13
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD3	2	0.13
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD2	2	0.13
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD3	2	0.13
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD2	6	0.13
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD3	6	0.13
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD2	6	0.13
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD3	6	0.13
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD2	6	0.13
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD3	6	0.13
(4,2942)	1:95:A:MET:HE1	1:71:A:PRO:HD2	3	0.13
(4,2942)	1:95:A:MET:HE1	1:71:A:PRO:HD3	3	0.13
(4,2942)	1:95:A:MET:HE2	1:71:A:PRO:HD2	3	0.13
(4,2942)	1:95:A:MET:HE2	1:71:A:PRO:HD3	3	0.13
(4,2942)	1:95:A:MET:HE3	1:71:A:PRO:HD2	3	0.13
(4,2942)	1:95:A:MET:HE3	1:71:A:PRO:HD3	3	0.13
(4,2941)	1:71:A:PRO:HD2	1:95:A:MET:HE1	3	0.13
(4,2941)	1:71:A:PRO:HD2	1:95:A:MET:HE2	3	0.13
(4,2941)	1:71:A:PRO:HD2	1:95:A:MET:HE3	3	0.13
(4,2941)	1:71:A:PRO:HD3	1:95:A:MET:HE1	3	0.13
(4,2941)	1:71:A:PRO:HD3	1:95:A:MET:HE2	3	0.13
(4,2941)	1:71:A:PRO:HD3	1:95:A:MET:HE3	3	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	13	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	13	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	13	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	13	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	13	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	13	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	16	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	16	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	16	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	16	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	16	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	20	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	20	0.13
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	20	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	20	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	20	0.13
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	20	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	1	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	8	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	9	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	10	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	14	0.13
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	17	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	1	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	1	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	1	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	1	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	2	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	2	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	2	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	2	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	5	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	5	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	5	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	5	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	6	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	6	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	6	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	6	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	7	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	7	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	7	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	7	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	8	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	8	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	8	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	8	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	9	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	9	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	9	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	10	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	10	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	10	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	10	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	12	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	12	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	12	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	12	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	15	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	15	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	15	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	15	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	16	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	16	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	16	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	16	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	17	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	17	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	17	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	17	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD1	18	0.13
(4,2922)	1:80:A:TYR:HB2	1:80:A:TYR:HD2	18	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD1	18	0.13
(4,2922)	1:80:A:TYR:HB3	1:80:A:TYR:HD2	18	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	1	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	1	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	1	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	1	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	2	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	2	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	2	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	2	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	5	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	5	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	5	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	5	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	6	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	6	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	6	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	7	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	7	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	7	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	7	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	8	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	8	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	8	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	8	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	9	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	9	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	9	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	9	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	10	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	10	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	10	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	10	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	12	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	12	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	12	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	12	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	15	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	15	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	15	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	15	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	16	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	16	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	16	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	16	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	17	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	17	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	17	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	17	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB2	18	0.13
(4,2920)	1:80:A:TYR:HD1	1:80:A:TYR:HB3	18	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB2	18	0.13
(4,2920)	1:80:A:TYR:HD2	1:80:A:TYR:HB3	18	0.13
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	8	0.13
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	8	0.13
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	8	0.13
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	8	0.13
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	4	0.13
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	6	0.13
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	6	0.13
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	16	0.13
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	16	0.13
(4,2891)	1:95:A:MET:HG2	1:143:A:SER:HA	13	0.13
(4,2891)	1:95:A:MET:HG3	1:143:A:SER:HA	13	0.13
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	8	0.13
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	8	0.13
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	8	0.13
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	8	0.13
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	8	0.13
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	8	0.13
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	8	0.13
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	8	0.13
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	8	0.13
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	8	0.13
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	8	0.13
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	8	0.13
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	8	0.13
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	8	0.13
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	8	0.13
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	8	0.13
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	8	0.13
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	8	0.13
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	13	0.13
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	13	0.13
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB2	2	0.13
(4,2868)	1:134:A:VAL:HG11	1:137:A:ASP:HB3	2	0.13
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB2	2	0.13
(4,2868)	1:134:A:VAL:HG12	1:137:A:ASP:HB3	2	0.13
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB2	2	0.13
(4,2868)	1:134:A:VAL:HG13	1:137:A:ASP:HB3	2	0.13
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	2	0.13
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	2	0.13
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	20	0.13
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	20	0.13
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	20	0.13
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	20	0.13
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB2	8	0.13
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB3	8	0.13
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB2	8	0.13
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD1	8	0.13
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD2	8	0.13
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD1	8	0.13
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD2	8	0.13
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	3	0.13
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	3	0.13
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	3	0.13
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	3	0.13
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	3	0.13
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	3	0.13
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	3	0.13
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	3	0.13
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	3	0.13
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	3	0.13
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	3	0.13
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	3	0.13
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	4	0.13
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	4	0.13
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	4	0.13
(4,2830)	1:131:A:MET:HA	1:134:A:VAL:HA	8	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	2	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	2	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	2	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	10	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	10	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	10	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	16	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	16	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	16	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	18	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	18	0.13
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	18	0.13
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	18	0.13
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	18	0.13
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	18	0.13
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG21	8	0.13
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG22	8	0.13
(4,2809)	1:128:A:ILE:HG21	1:132:A:ILE:HG23	8	0.13
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG21	8	0.13
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG22	8	0.13
(4,2809)	1:128:A:ILE:HG22	1:132:A:ILE:HG23	8	0.13
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG22	8	0.13
(4,2809)	1:128:A:ILE:HG23	1:132:A:ILE:HG23	8	0.13
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	16	0.13
(4,2794)	1:128:A:ILE:HG21	1:132:A:ILE:HB	8	0.13
(4,2794)	1:128:A:ILE:HG22	1:132:A:ILE:HB	8	0.13
(4,2794)	1:128:A:ILE:HG23	1:132:A:ILE:HB	8	0.13
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	7	0.13
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	7	0.13
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	7	0.13
(4,2781)	1:131:A:MET:HE1	1:135:A:PHE:HD1	15	0.13
(4,2781)	1:131:A:MET:HE1	1:135:A:PHE:HD2	15	0.13
(4,2781)	1:131:A:MET:HE2	1:135:A:PHE:HD1	15	0.13
(4,2781)	1:131:A:MET:HE2	1:135:A:PHE:HD2	15	0.13
(4,2781)	1:131:A:MET:HE3	1:135:A:PHE:HD1	15	0.13
(4,2781)	1:131:A:MET:HE3	1:135:A:PHE:HD2	15	0.13
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE1	13	0.13
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE2	13	0.13
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE3	13	0.13
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE1	19	0.13
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE2	19	0.13
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE3	19	0.13
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE1	20	0.13
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE2	20	0.13
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE3	20	0.13
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	16	0.13
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	16	0.13
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	16	0.13
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	16	0.13
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	16	0.13
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	16	0.13
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	16	0.13
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	16	0.13
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	16	0.13
(4,2759)	1:134:A:VAL:HG21	1:131:A:MET:HA	6	0.13
(4,2759)	1:134:A:VAL:HG22	1:131:A:MET:HA	6	0.13
(4,2759)	1:134:A:VAL:HG23	1:131:A:MET:HA	6	0.13
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	15	0.13
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	15	0.13
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	15	0.13
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	15	0.13
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	15	0.13
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	7	0.13
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	16	0.13
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	19	0.13
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG21	6	0.13
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG22	6	0.13
(4,2729)	1:129:A:GLN:HG2	1:133:A:VAL:HG23	6	0.13
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG21	6	0.13
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG22	6	0.13
(4,2729)	1:129:A:GLN:HG3	1:133:A:VAL:HG23	6	0.13
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB2	4	0.13
(4,2722)	1:132:A:ILE:HB	1:129:A:GLN:HB3	4	0.13
(4,2693)	1:125:A:LEU:HA	1:128:A:ILE:HB	16	0.13
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD11	1	0.13
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD12	1	0.13
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD13	1	0.13
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD11	1	0.13
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD12	1	0.13
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD13	1	0.13
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD11	1	0.13
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD12	1	0.13
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD13	1	0.13
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD11	1	0.13
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD12	1	0.13
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD13	1	0.13
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD11	1	0.13
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD12	1	0.13
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD13	1	0.13
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD11	1	0.13
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD12	1	0.13
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD13	1	0.13
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	3	0.13
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	3	0.13
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	3	0.13
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	3	0.13
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	3	0.13
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	3	0.13
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	11	0.13
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	11	0.13
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	11	0.13
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	11	0.13
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	11	0.13
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	12	0.13
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	12	0.13
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	12	0.13
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	12	0.13
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	12	0.13
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	12	0.13
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	19	0.13
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	19	0.13
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	19	0.13
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	19	0.13
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	19	0.13
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	19	0.13
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	20	0.13
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	20	0.13
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	20	0.13
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	20	0.13
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	20	0.13
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	20	0.13
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA2	7	0.13
(4,2651)	1:127:A:LEU:H	1:126:A:GLY:HA3	7	0.13
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA2	7	0.13
(4,2650)	1:127:A:LEU:H	1:126:A:GLY:HA3	7	0.13
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	8	0.13
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	8	0.13
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	8	0.13
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	8	0.13
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	8	0.13
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	8	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	4	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	4	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	5	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	5	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	7	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	7	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	8	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	8	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	16	0.13
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	16	0.13
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD11	15	0.13
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD12	15	0.13
(4,2614)	1:124:A:LEU:HA	1:128:A:ILE:HD13	15	0.13
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	3	0.13
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	3	0.13
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG2	11	0.13
(4,2571)	1:117:A:TRP:HA	1:116:A:GLU:HG3	11	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	1	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	1	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	1	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	1	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	2	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	2	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	2	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	2	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	3	0.13
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	3	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	3	0.13
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	3	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD11	8	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD12	8	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD13	8	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD21	8	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD22	8	0.13
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD23	8	0.13
(4,2545)	1:117:A:TRP:HB2	1:114:A:LEU:HA	18	0.13
(4,2545)	1:117:A:TRP:HB3	1:114:A:LEU:HA	18	0.13
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	12	0.13
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	12	0.13
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	14	0.13
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	14	0.13
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	14	0.13
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	14	0.13
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	20	0.13
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	20	0.13
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	20	0.13
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	20	0.13
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	20	0.13
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	20	0.13
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	20	0.13
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	20	0.13
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	20	0.13
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	20	0.13
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	20	0.13
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	20	0.13
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	20	0.13
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	20	0.13
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	20	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	9	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	9	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	9	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	20	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	20	0.13
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	20	0.13
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	2	0.13
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	2	0.13
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	2	0.13
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	2	0.13
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	2	0.13
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	2	0.13
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	18	0.13
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	18	0.13
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	18	0.13
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	18	0.13
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	18	0.13
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	18	0.13
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	17	0.13
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	17	0.13
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	17	0.13
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	17	0.13
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	17	0.13
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	17	0.13
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	1	0.13
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	1	0.13
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	1	0.13
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	1	0.13
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	1	0.13
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	1	0.13
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA2	14	0.13
(4,2436)	1:89:A:VAL:HB	1:107:A:GLY:HA3	14	0.13
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD1	4	0.13
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD2	4	0.13
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD1	4	0.13
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD2	4	0.13
(4,2411)	1:135:A:PHE:HD1	1:102:A:HIS:HB2	4	0.13
(4,2411)	1:135:A:PHE:HD1	1:102:A:HIS:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2411)	1:135:A:PHE:HD2	1:102:A:HIS:HB2	4	0.13
(4,2411)	1:135:A:PHE:HD2	1:102:A:HIS:HB3	4	0.13
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB2	16	0.13
(4,2409)	1:103:A:VAL:HG11	1:102:A:HIS:HB3	16	0.13
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB2	16	0.13
(4,2409)	1:103:A:VAL:HG12	1:102:A:HIS:HB3	16	0.13
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB2	16	0.13
(4,2409)	1:103:A:VAL:HG13	1:102:A:HIS:HB3	16	0.13
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB2	16	0.13
(4,2409)	1:103:A:VAL:HG21	1:102:A:HIS:HB3	16	0.13
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB2	16	0.13
(4,2409)	1:103:A:VAL:HG22	1:102:A:HIS:HB3	16	0.13
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB2	16	0.13
(4,2409)	1:103:A:VAL:HG23	1:102:A:HIS:HB3	16	0.13
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	9	0.13
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	9	0.13
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	9	0.13
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	9	0.13
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	9	0.13
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	9	0.13
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	16	0.13
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	16	0.13
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	16	0.13
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	16	0.13
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	16	0.13
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	16	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	9	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	9	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	9	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	9	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	9	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	9	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	16	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	16	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	16	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	16	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	16	0.13
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	16	0.13
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE1	15	0.13
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE2	15	0.13
(4,2365)	1:91:A:PRO:HA	1:95:A:MET:HE3	15	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	1	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	1	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	1	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	1	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	1	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	7	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	7	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	7	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	7	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	7	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	7	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	12	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	12	0.13
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	12	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	12	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	12	0.13
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	12	0.13
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG2	3	0.13
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG3	3	0.13
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG2	3	0.13
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG3	3	0.13
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG2	3	0.13
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG3	3	0.13
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG11	15	0.13
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG12	15	0.13
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG13	15	0.13
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG21	15	0.13
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG22	15	0.13
(4,2318)	1:97:A:ILE:HA	1:89:A:VAL:HG23	15	0.13
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	11	0.13
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	4	0.13
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	4	0.13
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	4	0.13
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	4	0.13
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	4	0.13
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	4	0.13
(4,2277)	1:88:A:PHE:HD1	1:86:A:ILE:HB	9	0.13
(4,2277)	1:88:A:PHE:HD2	1:86:A:ILE:HB	9	0.13
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	18	0.13
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	18	0.13
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	18	0.13
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	15	0.13
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	15	0.13
(4,2242)	1:97:A:ILE:HG21	1:99:A:THR:HA	6	0.13
(4,2242)	1:97:A:ILE:HG22	1:99:A:THR:HA	6	0.13
(4,2242)	1:97:A:ILE:HG23	1:99:A:THR:HA	6	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	3	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	3	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	10	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	10	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	16	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	16	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	19	0.13
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	19	0.13
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	1	0.13
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	8	0.13
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	9	0.13
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	10	0.13
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	14	0.13
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	17	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	3	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	3	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	3	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	3	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	3	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	3	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	16	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	16	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	16	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	16	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	16	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	16	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	18	0.13
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	18	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	18	0.13
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	18	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	18	0.13
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	18	0.13
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	12	0.13
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	16	0.13
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	18	0.13
(4,2200)	1:15:A:TYR:HD1	1:78:A:ASP:HA	20	0.13
(4,2200)	1:15:A:TYR:HD2	1:78:A:ASP:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	18	0.13
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	2	0.13
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	2	0.13
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	2	0.13
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	2	0.13
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	2	0.13
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	2	0.13
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	2	0.13
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	2	0.13
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	2	0.13
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	2	0.13
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	2	0.13
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	2	0.13
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	13	0.13
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	13	0.13
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	13	0.13
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	13	0.13
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	13	0.13
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	13	0.13
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	13	0.13
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	13	0.13
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	13	0.13
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	13	0.13
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	13	0.13
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	13	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD11	1	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD12	1	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD13	1	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD21	1	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD22	1	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD23	1	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD11	1	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD12	1	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD13	1	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD21	1	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD22	1	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD23	1	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD11	1	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD12	1	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD13	1	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD21	1	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD22	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD23	1	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD11	1	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD12	1	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD13	1	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD21	1	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD22	1	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD23	1	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD11	1	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD12	1	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD13	1	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD21	1	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD22	1	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD23	1	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD11	1	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD12	1	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD13	1	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD21	1	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD22	1	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD23	1	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD11	7	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD12	7	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD13	7	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD21	7	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD22	7	0.13
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD23	7	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD11	7	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD12	7	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD13	7	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD21	7	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD22	7	0.13
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD23	7	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD11	7	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD12	7	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD13	7	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD21	7	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD22	7	0.13
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD23	7	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD11	7	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD12	7	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD13	7	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD21	7	0.13
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD22	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD23	7	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD11	7	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD12	7	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD13	7	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD21	7	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD22	7	0.13
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD23	7	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD11	7	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD12	7	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD13	7	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD21	7	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD22	7	0.13
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD23	7	0.13
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD11	5	0.13
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD12	5	0.13
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD13	5	0.13
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD21	5	0.13
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD22	5	0.13
(4,2161)	1:53:A:MET:HG2	1:76:A:LEU:HD23	5	0.13
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD11	5	0.13
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD12	5	0.13
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD13	5	0.13
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD21	5	0.13
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD22	5	0.13
(4,2161)	1:53:A:MET:HG3	1:76:A:LEU:HD23	5	0.13
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	14	0.13
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	14	0.13
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	14	0.13
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	14	0.13
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB2	13	0.13
(4,2156)	1:15:A:TYR:HE1	1:76:A:LEU:HB3	13	0.13
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB2	13	0.13
(4,2156)	1:15:A:TYR:HE2	1:76:A:LEU:HB3	13	0.13
(4,2150)	1:85:A:PRO:HB2	1:76:A:LEU:HA	8	0.13
(4,2150)	1:85:A:PRO:HB3	1:76:A:LEU:HA	8	0.13
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB2	6	0.13
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB3	6	0.13
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB2	16	0.13
(4,2147)	1:76:A:LEU:H	1:75:A:TRP:HB3	16	0.13
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	8	0.13
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	8	0.13
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	13	0.13
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	13	0.13
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	13	0.13
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	13	0.13
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	13	0.13
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	13	0.13
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	13	0.13
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	13	0.13
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	13	0.13
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	13	0.13
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	13	0.13
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	13	0.13
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	13	0.13
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	13	0.13
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	13	0.13
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	13	0.13
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	13	0.13
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	13	0.13
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	13	0.13
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	13	0.13
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	13	0.13
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	13	0.13
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	13	0.13
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	13	0.13
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	13	0.13
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	13	0.13
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	13	0.13
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	13	0.13
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	13	0.13
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	13	0.13
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	13	0.13
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	13	0.13
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	13	0.13
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	13	0.13
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	13	0.13
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	2	0.13
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	14	0.13
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	6	0.13
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	6	0.13
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	6	0.13
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	6	0.13
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	6	0.13
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	12	0.13
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	12	0.13
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	12	0.13
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	12	0.13
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	12	0.13
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	12	0.13
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	12	0.13
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	12	0.13
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	12	0.13
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	12	0.13
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	12	0.13
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	12	0.13
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	12	0.13
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	12	0.13
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	12	0.13
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	12	0.13
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	12	0.13
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	12	0.13
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	14	0.13
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	14	0.13
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	14	0.13
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	14	0.13
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	14	0.13
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	14	0.13
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	14	0.13
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	14	0.13
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	14	0.13
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	14	0.13
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	14	0.13
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	14	0.13
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	14	0.13
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	14	0.13
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	14	0.13
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	14	0.13
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	14	0.13
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	14	0.13
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	2	0.13
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	2	0.13
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	4	0.13
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	4	0.13
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	5	0.13
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	12	0.13
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	12	0.13
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	15	0.13
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	15	0.13
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	18	0.13
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	18	0.13
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	12	0.13
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	6	0.13
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	6	0.13
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	6	0.13
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	7	0.13
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	7	0.13
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	7	0.13
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	3	0.13
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	3	0.13
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	3	0.13
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	3	0.13
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	3	0.13
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	3	0.13
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	3	0.13
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	3	0.13
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	3	0.13
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	4	0.13
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	4	0.13
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	4	0.13
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	4	0.13
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	4	0.13
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	4	0.13
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	4	0.13
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	4	0.13
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	4	0.13
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	18	0.13
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	18	0.13
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	6	0.13
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	6	0.13
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	16	0.13
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	16	0.13
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	4	0.13
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	4	0.13
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	15	0.13
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	18	0.13
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	18	0.13
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	18	0.13
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	18	0.13
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	18	0.13
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	18	0.13
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	19	0.13
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	19	0.13
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	19	0.13
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	19	0.13
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	19	0.13
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	19	0.13
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	2	0.13
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	2	0.13
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	3	0.13
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	3	0.13
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	16	0.13
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	16	0.13
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG21	6	0.13
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG22	6	0.13
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG23	6	0.13
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD2	17	0.13
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD3	17	0.13
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD2	17	0.13
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD3	17	0.13
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD2	18	0.13
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD3	18	0.13
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD2	18	0.13
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD3	18	0.13
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG11	6	0.13
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG12	6	0.13
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG13	6	0.13
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG21	6	0.13
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG22	6	0.13
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG23	6	0.13
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG11	6	0.13
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG12	6	0.13
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG13	6	0.13
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG21	6	0.13
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG22	6	0.13
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG23	6	0.13
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	9	0.13
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	9	0.13
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	9	0.13
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	9	0.13
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	9	0.13
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	13	0.13
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	13	0.13
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	16	0.13
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	16	0.13
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	19	0.13
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	19	0.13
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB2	3	0.13
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB3	3	0.13
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB2	3	0.13
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB3	3	0.13
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB2	3	0.13
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB3	3	0.13
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG21	3	0.13
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG22	3	0.13
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG23	3	0.13
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG21	3	0.13
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG22	3	0.13
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG23	3	0.13
(4,1906)	1:69:A:ASN:HA	1:60:A:PRO:HA	13	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	11	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	11	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	11	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	11	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	11	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	11	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	11	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	11	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	11	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	12	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	12	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	12	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	12	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	12	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	12	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	12	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	12	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	15	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	15	0.13
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	15	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	15	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	15	0.13
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	15	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	15	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	15	0.13
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	15	0.13
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	9	0.13
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	9	0.13
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	6	0.13
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	6	0.13
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	6	0.13
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	6	0.13
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	6	0.13
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	6	0.13
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	6	0.13
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	6	0.13
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	6	0.13
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	6	0.13
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	6	0.13
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	6	0.13
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	2	0.13
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	2	0.13
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	2	0.13
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	2	0.13
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	2	0.13
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	2	0.13
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	6	0.13
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	6	0.13
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	6	0.13
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	6	0.13
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	6	0.13
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	6	0.13
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	2	0.13
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	2	0.13
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	2	0.13
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	2	0.13
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	2	0.13
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	2	0.13
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	6	0.13
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	6	0.13
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	6	0.13
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	6	0.13
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	6	0.13
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	2	0.13
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	2	0.13
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	2	0.13
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	2	0.13
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	2	0.13
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	2	0.13
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	2	0.13
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	2	0.13
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	2	0.13
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	2	0.13
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	2	0.13
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	2	0.13
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	2	0.13
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	2	0.13
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	2	0.13
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	2	0.13
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	2	0.13
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	2	0.13
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	10	0.13
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	10	0.13
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	10	0.13
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	10	0.13
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	10	0.13
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	10	0.13
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	10	0.13
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	10	0.13
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	10	0.13
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	10	0.13
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	10	0.13
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	10	0.13
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	10	0.13
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	10	0.13
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	10	0.13
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	10	0.13
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	10	0.13
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	10	0.13
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD11	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD12	20	0.13
(4,1807)	1:55:A:LEU:HD11	1:128:A:ILE:HD13	20	0.13
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD11	20	0.13
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD12	20	0.13
(4,1807)	1:55:A:LEU:HD12	1:128:A:ILE:HD13	20	0.13
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD11	20	0.13
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD12	20	0.13
(4,1807)	1:55:A:LEU:HD13	1:128:A:ILE:HD13	20	0.13
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD21	10	0.13
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD22	10	0.13
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD23	10	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	1	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	3	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	7	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	8	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	11	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	12	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	13	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	17	0.13
(4,1795)	1:64:A:ARG:HG3	1:64:A:ARG:HG2	20	0.13
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	19	0.13
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	19	0.13
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	15	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	1	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	1	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	3	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	3	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	5	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	5	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	6	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	6	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	7	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	7	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	8	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	8	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	13	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	13	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	17	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	17	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	19	0.13
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	19	0.13
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB3	6	0.13
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	11	0.13
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	11	0.13
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	11	0.13
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	11	0.13
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	11	0.13
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	11	0.13
(4,1759)	1:52:A:LEU:HD21	1:78:A:ASP:HA	3	0.13
(4,1759)	1:52:A:LEU:HD22	1:78:A:ASP:HA	3	0.13
(4,1759)	1:52:A:LEU:HD23	1:78:A:ASP:HA	3	0.13
(4,1751)	1:52:A:LEU:H	1:51:A:GLU:HG2	7	0.13
(4,1751)	1:52:A:LEU:H	1:51:A:GLU:HG3	7	0.13
(4,1751)	1:52:A:LEU:H	1:51:A:GLU:HG2	11	0.13
(4,1751)	1:52:A:LEU:H	1:51:A:GLU:HG3	11	0.13
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	6	0.13
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	6	0.13
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	1	0.13
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	1	0.13
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	2	0.13
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	2	0.13
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	8	0.13
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	8	0.13
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	17	0.13
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	17	0.13
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	20	0.13
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	20	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	1	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	1	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	2	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	2	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	8	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	8	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	17	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	17	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	20	0.13
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	20	0.13
(4,1709)	1:42:A:TYR:HD1	1:42:A:TYR:HA	4	0.13
(4,1709)	1:42:A:TYR:HD2	1:42:A:TYR:HA	4	0.13
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	1	0.13
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	1	0.13
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	2	0.13
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	8	0.13
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	8	0.13
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	17	0.13
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	17	0.13
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	20	0.13
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	20	0.13
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	7	0.13
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	7	0.13
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	7	0.13
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	14	0.13
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	14	0.13
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	14	0.13
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	14	0.13
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	14	0.13
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	14	0.13
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	5	0.13
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	5	0.13
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	13	0.13
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	13	0.13
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	15	0.13
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	15	0.13
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	15	0.13
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	15	0.13
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	15	0.13
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	15	0.13
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	15	0.13
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	15	0.13
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	15	0.13
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	15	0.13
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	15	0.13
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	15	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	14	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	14	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	14	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	14	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	14	0.13
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	14	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	14	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	14	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	14	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	14	0.13
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	14	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	14	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	14	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	14	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	14	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	14	0.13
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	14	0.13
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	4	0.13
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	4	0.13
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	9	0.13
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	9	0.13
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	14	0.13
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	14	0.13
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	20	0.13
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	20	0.13
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	7	0.13
(4,1634)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	7	0.13
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	7	0.13
(4,1634)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	7	0.13
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG2	7	0.13
(4,1633)	1:98:A:LYS:HE2	1:98:A:LYS:HG3	7	0.13
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG2	7	0.13
(4,1633)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	7	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	4	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	4	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	4	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	4	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	6	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	6	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	6	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	6	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	8	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	8	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	8	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	8	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	9	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	9	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	9	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	9	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	15	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	15	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	15	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	19	0.13
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	19	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	19	0.13
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	19	0.13
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD11	1	0.13
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD12	1	0.13
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD13	1	0.13
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD21	1	0.13
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD22	1	0.13
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD23	1	0.13
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD11	1	0.13
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD12	1	0.13
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD13	1	0.13
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD21	1	0.13
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD22	1	0.13
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD23	1	0.13
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	10	0.13
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	10	0.13
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	14	0.13
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	14	0.13
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	4	0.13
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	4	0.13
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	4	0.13
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	4	0.13
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	4	0.13
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	4	0.13
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	18	0.13
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	18	0.13
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	18	0.13
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	18	0.13
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	18	0.13
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	18	0.13
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	20	0.13
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	20	0.13
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	10	0.13
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	10	0.13
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	10	0.13
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	10	0.13
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	10	0.13
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	10	0.13
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	15	0.13
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	15	0.13
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	18	0.13
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	18	0.13
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	18	0.13
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG11	4	0.13
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG12	4	0.13
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG13	4	0.13
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG11	4	0.13
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG12	4	0.13
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG13	4	0.13
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	10	0.13
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	10	0.13
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	10	0.13
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	11	0.13
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	11	0.13
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	11	0.13
(4,1538)	1:31:A:LEU:HD11	1:27:A:ASN:HB2	17	0.13
(4,1538)	1:31:A:LEU:HD11	1:27:A:ASN:HB3	17	0.13
(4,1538)	1:31:A:LEU:HD12	1:27:A:ASN:HB2	17	0.13
(4,1538)	1:31:A:LEU:HD12	1:27:A:ASN:HB3	17	0.13
(4,1538)	1:31:A:LEU:HD13	1:27:A:ASN:HB2	17	0.13
(4,1538)	1:31:A:LEU:HD13	1:27:A:ASN:HB3	17	0.13
(4,1538)	1:31:A:LEU:HD21	1:27:A:ASN:HB2	17	0.13
(4,1538)	1:31:A:LEU:HD21	1:27:A:ASN:HB3	17	0.13
(4,1538)	1:31:A:LEU:HD22	1:27:A:ASN:HB2	17	0.13
(4,1538)	1:31:A:LEU:HD22	1:27:A:ASN:HB3	17	0.13
(4,1538)	1:31:A:LEU:HD23	1:27:A:ASN:HB2	17	0.13
(4,1538)	1:31:A:LEU:HD23	1:27:A:ASN:HB3	17	0.13
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	2	0.13
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	2	0.13
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	2	0.13
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	2	0.13
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	2	0.13
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	2	0.13
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	9	0.13
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	9	0.13
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	9	0.13
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	9	0.13
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	9	0.13
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	9	0.13
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	2	0.13
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	11	0.13
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	11	0.13
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	1	0.13
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	1	0.13
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	1	0.13
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	1	0.13
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	15	0.13
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	15	0.13
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	15	0.13
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	15	0.13
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	17	0.13
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	17	0.13
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	17	0.13
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	17	0.13
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	1	0.13
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	1	0.13
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	1	0.13
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	1	0.13
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	15	0.13
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	15	0.13
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	15	0.13
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	15	0.13
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	17	0.13
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	17	0.13
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	17	0.13
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	17	0.13
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	1	0.13
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	1	0.13
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	1	0.13
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	1	0.13
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	15	0.13
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	15	0.13
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	15	0.13
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	15	0.13
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	17	0.13
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	17	0.13
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	17	0.13
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	17	0.13
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	1	0.13
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	1	0.13
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	1	0.13
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	15	0.13
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	15	0.13
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	15	0.13
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	15	0.13
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	17	0.13
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	17	0.13
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	17	0.13
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	17	0.13
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	1	0.13
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	1	0.13
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	1	0.13
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	1	0.13
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	15	0.13
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	15	0.13
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	15	0.13
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	15	0.13
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	17	0.13
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	17	0.13
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	17	0.13
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	17	0.13
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	8	0.13
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	8	0.13
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	8	0.13
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	8	0.13
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB2	19	0.13
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB3	19	0.13
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB2	19	0.13
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB3	19	0.13
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB2	19	0.13
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB3	19	0.13
(4,1465)	1:24:A:GLU:HA	1:23:A:ARG:HG2	4	0.13
(4,1465)	1:24:A:GLU:HA	1:23:A:ARG:HG3	4	0.13
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB2	8	0.13
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB3	8	0.13
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB2	8	0.13
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB3	8	0.13
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB2	8	0.13
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB3	8	0.13
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB2	8	0.13
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB3	8	0.13
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB3	8	0.13
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB2	8	0.13
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB3	8	0.13
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB2	12	0.13
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB3	12	0.13
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB2	12	0.13
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB3	12	0.13
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB2	12	0.13
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB3	12	0.13
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB2	12	0.13
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB3	12	0.13
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB2	12	0.13
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB3	12	0.13
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB2	12	0.13
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB3	12	0.13
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	11	0.13
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	11	0.13
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	9	0.13
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	9	0.13
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	9	0.13
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	9	0.13
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	9	0.13
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	9	0.13
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	16	0.13
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	16	0.13
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	16	0.13
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	16	0.13
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	16	0.13
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	16	0.13
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	7	0.13
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	7	0.13
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	7	0.13
(4,1439)	1:103:A:VAL:HG11	1:99:A:THR:HA	8	0.13
(4,1439)	1:103:A:VAL:HG12	1:99:A:THR:HA	8	0.13
(4,1439)	1:103:A:VAL:HG13	1:99:A:THR:HA	8	0.13
(4,1417)	1:23:A:ARG:HD2	1:20:A:LEU:HD11	1	0.13
(4,1417)	1:23:A:ARG:HD2	1:20:A:LEU:HD12	1	0.13
(4,1417)	1:23:A:ARG:HD2	1:20:A:LEU:HD13	1	0.13
(4,1417)	1:23:A:ARG:HD2	1:20:A:LEU:HD21	1	0.13
(4,1417)	1:23:A:ARG:HD2	1:20:A:LEU:HD22	1	0.13
(4,1417)	1:23:A:ARG:HD2	1:20:A:LEU:HD23	1	0.13
(4,1417)	1:23:A:ARG:HD3	1:20:A:LEU:HD11	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1417)	1:23:A:ARG:HD3	1:20:A:LEU:HD12	1	0.13
(4,1417)	1:23:A:ARG:HD3	1:20:A:LEU:HD13	1	0.13
(4,1417)	1:23:A:ARG:HD3	1:20:A:LEU:HD21	1	0.13
(4,1417)	1:23:A:ARG:HD3	1:20:A:LEU:HD22	1	0.13
(4,1417)	1:23:A:ARG:HD3	1:20:A:LEU:HD23	1	0.13
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	17	0.13
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	17	0.13
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	17	0.13
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	17	0.13
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	17	0.13
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	17	0.13
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	17	0.13
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	17	0.13
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	17	0.13
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	17	0.13
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	17	0.13
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	17	0.13
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	1	0.13
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	1	0.13
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	1	0.13
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	1	0.13
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	1	0.13
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	1	0.13
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	1	0.13
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	1	0.13
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	1	0.13
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	1	0.13
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	1	0.13
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	1	0.13
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	3	0.13
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	3	0.13
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	3	0.13
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	3	0.13
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	1	0.13
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	1	0.13
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	1	0.13
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	1	0.13
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	1	0.13
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	1	0.13
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	15	0.13
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	15	0.13
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	15	0.13
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	15	0.13
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	15	0.13
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	3	0.13
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	3	0.13
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	6	0.13
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	6	0.13
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	10	0.13
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	10	0.13
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	10	0.13
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	10	0.13
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	12	0.13
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	12	0.13
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	12	0.13
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	12	0.13
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	12	0.13
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	12	0.13
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	12	0.13
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	12	0.13
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	12	0.13
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	12	0.13
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	12	0.13
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	12	0.13
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	13	0.13
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	13	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	1	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	1	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	4	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	4	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	9	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	9	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	15	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	15	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	20	0.13
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	20	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	1	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	1	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	1	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	1	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	2	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	2	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	2	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	3	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	3	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	3	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	3	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	5	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	5	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	5	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	5	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	8	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	8	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	8	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	8	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	9	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	9	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	9	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	9	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	13	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	13	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	13	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	13	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	17	0.13
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	17	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	17	0.13
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	17	0.13
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB2	4	0.13
(4,1327)	1:79:A:THR:HA	1:16:A:LYS:HB3	4	0.13
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	2	0.13
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	2	0.13
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	2	0.13
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	2	0.13
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	18	0.13
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	18	0.13
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	18	0.13
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	18	0.13
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	15	0.13
(4,1322)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	15	0.13
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	15	0.13
(4,1322)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	15	0.13
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	9	0.13
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	9	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	5	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	5	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	5	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	5	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	5	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	12	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	12	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	12	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	12	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	12	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	12	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG11	13	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG12	13	0.13
(4,1289)	1:11:A:MET:HB2	1:12:A:VAL:HG13	13	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG11	13	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG12	13	0.13
(4,1289)	1:11:A:MET:HB3	1:12:A:VAL:HG13	13	0.13
(4,1288)	1:9:A:LYS:HA	1:12:A:VAL:HG11	3	0.13
(4,1288)	1:9:A:LYS:HA	1:12:A:VAL:HG12	3	0.13
(4,1288)	1:9:A:LYS:HA	1:12:A:VAL:HG13	3	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	1	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	1	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	1	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	1	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	1	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	1	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	6	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	6	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	6	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	6	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	6	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	6	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	9	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	9	0.13
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	9	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	9	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	9	0.13
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	9	0.13
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB2	12	0.13
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB3	12	0.13
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB2	12	0.13
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB3	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD2	4	0.13
(4,1247)	1:6:A:SER:HA	1:9:A:LYS:HD3	4	0.13
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	17	0.13
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	17	0.13
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	17	0.13
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	17	0.13
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	17	0.13
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	17	0.13
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	17	0.13
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	17	0.13
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	17	0.13
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	17	0.13
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	17	0.13
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	17	0.13
(4,1236)	1:23:A:ARG:HD2	1:20:A:LEU:HD11	1	0.13
(4,1236)	1:23:A:ARG:HD2	1:20:A:LEU:HD12	1	0.13
(4,1236)	1:23:A:ARG:HD2	1:20:A:LEU:HD13	1	0.13
(4,1236)	1:23:A:ARG:HD2	1:20:A:LEU:HD21	1	0.13
(4,1236)	1:23:A:ARG:HD2	1:20:A:LEU:HD22	1	0.13
(4,1236)	1:23:A:ARG:HD2	1:20:A:LEU:HD23	1	0.13
(4,1236)	1:23:A:ARG:HD3	1:20:A:LEU:HD11	1	0.13
(4,1236)	1:23:A:ARG:HD3	1:20:A:LEU:HD12	1	0.13
(4,1236)	1:23:A:ARG:HD3	1:20:A:LEU:HD13	1	0.13
(4,1236)	1:23:A:ARG:HD3	1:20:A:LEU:HD21	1	0.13
(4,1236)	1:23:A:ARG:HD3	1:20:A:LEU:HD22	1	0.13
(4,1236)	1:23:A:ARG:HD3	1:20:A:LEU:HD23	1	0.13
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	11	0.13
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	11	0.13
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	19	0.13
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	19	0.13
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	2	0.13
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	15	0.13
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	20	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	1	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	2	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	3	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	4	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	5	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	6	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	9	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	10	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	12	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	13	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	14	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	15	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	16	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	17	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	18	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	19	0.13
(4,1224)	1:8:A:LEU:HB3	1:8:A:LEU:HB2	20	0.13
(4,1212)	1:11:A:MET:HB2	1:8:A:LEU:HA	7	0.13
(4,1212)	1:11:A:MET:HB3	1:8:A:LEU:HA	7	0.13
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	14	0.13
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	14	0.13
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	14	0.13
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	14	0.13
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	14	0.13
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	14	0.13
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	14	0.13
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	14	0.13
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	14	0.13
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	14	0.13
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	14	0.13
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	14	0.13
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	17	0.13
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	17	0.13
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	17	0.13
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	17	0.13
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	17	0.13
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	17	0.13
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	17	0.13
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	17	0.13
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	17	0.13
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	17	0.13
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	17	0.13
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	17	0.13
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	14	0.13
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	14	0.13
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	14	0.13
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	14	0.13
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	14	0.13
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	14	0.13
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	14	0.13
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	14	0.13
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	14	0.13
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	14	0.13
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	14	0.13
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	17	0.13
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	17	0.13
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	17	0.13
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	17	0.13
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	17	0.13
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	17	0.13
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	17	0.13
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	17	0.13
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	17	0.13
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	17	0.13
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	17	0.13
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	17	0.13
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	4	0.13
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	4	0.13
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	4	0.13
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	4	0.13
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	16	0.13
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	16	0.13
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	16	0.13
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	16	0.13
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	16	0.13
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	16	0.13
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	16	0.13
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	16	0.13
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	16	0.13
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	16	0.13
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	16	0.13
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	16	0.13
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	12	0.13
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	13	0.13
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	14	0.13
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	12	0.13
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	13	0.13
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	14	0.13
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	4	0.13
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	4	0.13
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	19	0.13
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	4	0.13
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	4	0.13
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	19	0.13
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	19	0.13
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	4	0.13
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	4	0.13
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	19	0.13
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	19	0.13
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	4	0.13
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	4	0.13
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	19	0.13
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	19	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	4	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	4	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	4	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	4	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	4	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	4	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	4	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	4	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	4	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	12	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	12	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	12	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	12	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	12	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	12	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	12	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	12	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	12	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	17	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	17	0.13
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	17	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	17	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	17	0.13
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	17	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	17	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	17	0.13
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	17	0.13
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	13	0.13
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD11	2	0.13
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD12	2	0.13
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD13	2	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	1	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	1	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	1	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	1	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	1	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	1	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	1	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	1	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	1	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	5	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	5	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	5	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	5	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	5	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	5	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	5	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	5	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	5	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	6	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	6	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	6	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	6	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	6	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	6	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	6	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	6	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	6	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	10	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	10	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	10	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	10	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	10	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	10	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	10	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	10	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	10	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	13	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	13	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	13	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	13	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	13	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	13	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	13	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	13	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	15	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	15	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	15	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	15	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	15	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	15	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	15	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	15	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	15	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	17	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	17	0.13
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	17	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	17	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	17	0.13
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	17	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	17	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	17	0.13
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	17	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	1	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	1	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	1	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	1	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	1	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	1	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	1	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	1	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	1	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	5	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	5	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	5	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	5	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	5	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	5	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	5	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	5	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	6	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	6	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	6	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	6	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	6	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	6	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	6	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	6	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	6	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	10	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	10	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	10	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	10	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	10	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	10	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	10	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	10	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	10	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	13	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	13	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	13	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	13	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	13	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	13	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	13	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	13	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	13	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	15	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	15	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	15	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	15	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	15	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	15	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	15	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	15	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	15	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	17	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	17	0.13
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	17	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	17	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	17	0.13
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	17	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	17	0.13
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	17	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	3	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	3	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	3	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	3	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	3	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	3	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	11	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	11	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	11	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	11	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	11	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	11	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	12	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	12	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	12	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	12	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	12	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	12	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	19	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	19	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	19	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	19	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	19	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	19	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	20	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	20	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	20	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	20	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	20	0.13
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	20	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	6	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	11	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	12	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	13	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	16	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	17	0.13
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	20	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	1	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	4	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	7	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	8	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	9	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	11	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	13	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	15	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	16	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	17	0.13
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	19	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	1	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	2	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	4	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	7	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	8	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	9	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	11	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	13	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	15	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	16	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	17	0.13
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	19	0.13
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	2	0.13
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	2	0.13
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	2	0.13
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	2	0.13
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	2	0.13
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	2	0.13
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	2	0.13
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	2	0.13
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	2	0.13
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	2	0.13
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	2	0.13
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	2	0.13
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	2	0.13
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	2	0.13
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	2	0.13
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	2	0.13
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	2	0.13
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	2	0.13
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	2	0.13
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	2	0.13
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	2	0.13
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	2	0.13
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	2	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	14	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	14	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	15	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	15	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	16	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	16	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	19	0.13
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	19	0.13
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	7	0.13
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	7	0.13
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	19	0.13
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	19	0.13
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB2	3	0.13
(4,984)	1:124:A:LEU:HA	1:124:A:LEU:HB3	3	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	5	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	5	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	5	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	5	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	5	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	5	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	5	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	5	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	5	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	5	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	5	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	5	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	8	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	8	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	8	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	8	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	8	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	8	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	8	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	8	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	8	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	8	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	8	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	9	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	9	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	9	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	9	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	9	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	9	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	9	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	9	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	9	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	9	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	9	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	9	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	11	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	11	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	11	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	11	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	11	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	11	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	11	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	11	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	11	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	11	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	11	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	11	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	15	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	15	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	15	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	15	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	15	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	15	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	15	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	15	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	15	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	15	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	15	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	15	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	18	0.13
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	18	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	18	0.13
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	18	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	18	0.13
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	18	0.13
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	18	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	18	0.13
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	18	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	18	0.13
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	18	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	5	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	5	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	5	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	5	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	5	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	5	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	5	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	5	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	5	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	5	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	5	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	5	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	8	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	8	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	8	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	8	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	8	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	8	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	8	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	8	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	8	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	8	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	8	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	8	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	9	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	9	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	9	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	9	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	9	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	9	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	9	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	9	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	9	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	9	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	9	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	11	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	11	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	11	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	11	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	11	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	11	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	11	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	11	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	11	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	11	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	11	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	11	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	15	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	15	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	15	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	15	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	15	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	15	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	15	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	15	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	15	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	15	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	15	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	15	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	18	0.13
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	18	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	18	0.13
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	18	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	18	0.13
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	18	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	18	0.13
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	18	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	18	0.13
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	18	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	18	0.13
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	18	0.13
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG2	4	0.13
(4,943)	1:118:A:LYS:HA	1:118:A:LYS:HG3	4	0.13
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	5	0.13
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	5	0.13
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	7	0.13
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	7	0.13
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	7	0.13
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	12	0.13
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	12	0.13
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	12	0.13
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	12	0.13
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	8	0.13
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	8	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	1	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	2	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	3	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	4	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	5	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	6	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	7	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	8	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	9	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	10	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	11	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	12	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	14	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	15	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	16	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	17	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	18	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	19	0.13
(4,924)	1:116:A:GLU:HG3	1:116:A:GLU:HG2	20	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	3	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	3	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	3	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	3	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	3	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	3	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	6	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	6	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	6	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	6	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	6	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	6	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	12	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	12	0.13
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	12	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	12	0.13
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	12	0.13
(4,855)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	8	0.13
(4,855)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	8	0.13
(4,855)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	8	0.13
(4,855)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	8	0.13
(4,855)	1:101:A:LYS:HB2	1:101:A:LYS:HG2	9	0.13
(4,855)	1:101:A:LYS:HB2	1:101:A:LYS:HG3	9	0.13
(4,855)	1:101:A:LYS:HB3	1:101:A:LYS:HG2	9	0.13
(4,855)	1:101:A:LYS:HB3	1:101:A:LYS:HG3	9	0.13
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	16	0.13
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	16	0.13
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	16	0.13
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	16	0.13
(4,842)	1:97:A:ILE:HB	1:97:A:ILE:HA	18	0.13
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	12	0.13
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	12	0.13
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	12	0.13
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	12	0.13
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	12	0.13
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	12	0.13
(4,821)	1:97:A:ILE:HA	1:97:A:ILE:HB	18	0.13
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	6	0.13
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	6	0.13
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	13	0.13
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	13	0.13
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	13	0.13
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	13	0.13
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	2	0.13
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	2	0.13
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	12	0.13
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	12	0.13
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	2	0.13
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	2	0.13
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	12	0.13
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	12	0.13
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	2	0.13
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	2	0.13
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	12	0.13
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	12	0.13
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	2	0.13
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	12	0.13
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	12	0.13
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	19	0.13
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	19	0.13
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	19	0.13
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	20	0.13
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	20	0.13
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	20	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	2	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	2	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	6	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	6	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	7	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	7	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	9	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	9	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	10	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	10	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	11	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	11	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	13	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	13	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	15	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	15	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	17	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	17	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	18	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	18	0.13
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	19	0.13
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	19	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	2	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	2	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	6	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	6	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	7	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	7	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	9	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	9	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	10	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	10	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	11	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	13	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	13	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	15	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	15	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	17	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	17	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	18	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	18	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	19	0.13
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	19	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	2	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	2	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	3	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	3	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	13	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	13	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	18	0.13
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	18	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	2	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	2	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	3	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	3	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	13	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	13	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	18	0.13
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	18	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	1	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	1	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	1	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	2	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	2	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	2	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	4	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	4	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	4	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	7	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	7	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	7	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	8	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	8	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	9	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	9	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	9	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	11	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	11	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	11	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	12	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	12	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	12	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	13	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	13	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	13	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	15	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	15	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	15	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG21	18	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG22	18	0.13
(4,712)	1:70:A:ILE:HB	1:70:A:ILE:HG23	18	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	4	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	4	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	4	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	4	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	4	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	4	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	10	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	10	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	10	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	10	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	10	0.13
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	10	0.13
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	8	0.13
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	8	0.13
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	8	0.13
(4,648)	1:76:A:LEU:HD11	1:76:A:LEU:HA	11	0.13
(4,648)	1:76:A:LEU:HD12	1:76:A:LEU:HA	11	0.13
(4,648)	1:76:A:LEU:HD13	1:76:A:LEU:HA	11	0.13
(4,604)	1:64:A:ARG:HG2	1:64:A:ARG:HA	6	0.13
(4,604)	1:64:A:ARG:HG3	1:64:A:ARG:HA	6	0.13
(4,604)	1:64:A:ARG:HG2	1:64:A:ARG:HA	12	0.13
(4,604)	1:64:A:ARG:HG3	1:64:A:ARG:HA	12	0.13
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	4	0.13
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	4	0.13
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	4	0.13
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	4	0.13
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	4	0.13
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	4	0.13
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	4	0.13
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	11	0.13
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	11	0.13
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	5	0.13
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	5	0.13
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	5	0.13
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	5	0.13
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	5	0.13
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	5	0.13
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	12	0.13
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	12	0.13
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	12	0.13
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	12	0.13
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	12	0.13
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	12	0.13
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	4	0.13
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	4	0.13
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	4	0.13
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	4	0.13
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	4	0.13
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	4	0.13
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	8	0.13
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	8	0.13
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	8	0.13
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	8	0.13
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	8	0.13
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	8	0.13
(4,535)	1:52:A:LEU:HB2	1:52:A:LEU:HG	2	0.13
(4,535)	1:52:A:LEU:HB3	1:52:A:LEU:HG	2	0.13
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB2	2	0.13
(4,534)	1:52:A:LEU:HG	1:52:A:LEU:HB3	2	0.13
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	3	0.13
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	3	0.13
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	8	0.13
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	8	0.13
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	9	0.13
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	14	0.13
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	14	0.13
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	9	0.13
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	9	0.13
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	9	0.13
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	9	0.13
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	9	0.13
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	9	0.13
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	12	0.13
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	12	0.13
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	12	0.13
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	12	0.13
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	12	0.13
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	12	0.13
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	19	0.13
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	19	0.13
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	19	0.13
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	19	0.13
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	19	0.13
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	19	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	9	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	9	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	9	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	9	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	9	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	9	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	12	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	12	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	12	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	12	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	12	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	12	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	19	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	19	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	19	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	19	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	19	0.13
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	19	0.13
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	8	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	9	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	9	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	9	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	9	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	9	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	12	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	12	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	12	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	12	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	12	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	12	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	19	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	19	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	19	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	19	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	19	0.13
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	19	0.13
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG2	19	0.13
(4,420)	1:33:A:LYS:HA	1:33:A:LYS:HG3	19	0.13
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	1	0.13
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	1	0.13
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	20	0.13
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	20	0.13
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	1	0.13
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	1	0.13
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	20	0.13
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	20	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	1	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	2	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	4	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	10	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	11	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	15	0.13
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	16	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	1	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	2	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	4	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	10	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	11	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	15	0.13
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	16	0.13
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	14	0.13
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	19	0.13
(4,328)	1:24:A:GLU:HG2	1:24:A:GLU:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,328)	1:24:A:GLU:HG3	1:24:A:GLU:HA	17	0.13
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	1	0.13
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	1	0.13
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	1	0.13
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	1	0.13
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	15	0.13
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	15	0.13
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	15	0.13
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	15	0.13
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	17	0.13
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	17	0.13
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	17	0.13
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	17	0.13
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	1	0.13
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	1	0.13
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	1	0.13
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	1	0.13
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	15	0.13
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	15	0.13
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	15	0.13
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	15	0.13
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	17	0.13
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	17	0.13
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	17	0.13
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	17	0.13
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	4	0.13
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG2	17	0.13
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG3	17	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	13	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	13	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	13	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	13	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	13	0.13
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	13	0.13
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	13	0.13
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	13	0.13
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	13	0.13
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	13	0.13
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	13	0.13
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	13	0.13
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	16	0.13
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	16	0.13
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	16	0.13
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	16	0.13
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	16	0.13
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	16	0.13
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	16	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	1	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	2	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	3	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	4	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	5	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	6	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	7	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	9	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	12	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	13	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	15	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	16	0.13
(4,270)	1:18:A:ARG:HB3	1:18:A:ARG:HB2	20	0.13
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	16	0.13
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	16	0.13
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	16	0.13
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	16	0.13
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	3	0.13
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	3	0.13
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	3	0.13
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	3	0.13
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	3	0.13
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	3	0.13
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	3	0.13
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	3	0.13
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	3	0.13
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	3	0.13
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	3	0.13
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	3	0.13
(4,120)	1:7:A:GLN:HA	1:10:A:LYS:HD2	12	0.13
(4,120)	1:7:A:GLN:HA	1:10:A:LYS:HD3	12	0.13
(4,117)	1:86:A:ILE:HD11	1:77:A:LEU:HA	16	0.13
(4,117)	1:86:A:ILE:HD12	1:77:A:LEU:HA	16	0.13
(4,117)	1:86:A:ILE:HD13	1:77:A:LEU:HA	16	0.13
(4,49)	1:133:A:VAL:HG21	1:129:A:GLN:HG2	8	0.13
(4,49)	1:133:A:VAL:HG21	1:129:A:GLN:HG3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,49)	1:133:A:VAL:HG22	1:129:A:GLN:HG2	8	0.13
(4,49)	1:133:A:VAL:HG22	1:129:A:GLN:HG3	8	0.13
(4,49)	1:133:A:VAL:HG23	1:129:A:GLN:HG2	8	0.13
(4,49)	1:133:A:VAL:HG23	1:129:A:GLN:HG3	8	0.13
(4,48)	1:61:A:VAL:HG11	1:136:A:GLY:HA2	6	0.13
(4,48)	1:61:A:VAL:HG11	1:136:A:GLY:HA3	6	0.13
(4,48)	1:61:A:VAL:HG12	1:136:A:GLY:HA2	6	0.13
(4,48)	1:61:A:VAL:HG12	1:136:A:GLY:HA3	6	0.13
(4,48)	1:61:A:VAL:HG13	1:136:A:GLY:HA2	6	0.13
(4,48)	1:61:A:VAL:HG13	1:136:A:GLY:HA3	6	0.13
(4,48)	1:61:A:VAL:HG21	1:136:A:GLY:HA2	6	0.13
(4,48)	1:61:A:VAL:HG21	1:136:A:GLY:HA3	6	0.13
(4,48)	1:61:A:VAL:HG22	1:136:A:GLY:HA2	6	0.13
(4,48)	1:61:A:VAL:HG22	1:136:A:GLY:HA3	6	0.13
(4,48)	1:61:A:VAL:HG23	1:136:A:GLY:HA2	6	0.13
(4,48)	1:61:A:VAL:HG23	1:136:A:GLY:HA3	6	0.13
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	3	0.13
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	3	0.13
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	6	0.13
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	6	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	1	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	1	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	1	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	1	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	1	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	1	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	1	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	1	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	1	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	1	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	1	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	1	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	14	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	14	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	14	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	14	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	14	0.13
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	14	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	14	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	14	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	14	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	14	0.13
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	14	0.13
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	2	0.13
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	2	0.13
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	2	0.13
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	2	0.13
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	2	0.13
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	2	0.13
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	2	0.13
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	2	0.13
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	2	0.13
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	2	0.13
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	2	0.13
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	2	0.13
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	2	0.13
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	2	0.13
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	2	0.13
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	2	0.13
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	2	0.13
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	2	0.13
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	2	0.13
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	2	0.13
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	2	0.13
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	2	0.13
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	2	0.13
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	2	0.13
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	2	0.13
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	2	0.13
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	2	0.13
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	2	0.13
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	2	0.13
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	2	0.13
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	2	0.13
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	2	0.13
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	2	0.13
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	2	0.13
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	2	0.13
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	2	0.13
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE1	13	0.13
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE2	13	0.13
(4,21)	1:70:A:ILE:HG21	1:95:A:MET:HE3	13	0.13
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE1	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE2	13	0.13
(4,21)	1:70:A:ILE:HG22	1:95:A:MET:HE3	13	0.13
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE1	13	0.13
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE2	13	0.13
(4,21)	1:70:A:ILE:HG23	1:95:A:MET:HE3	13	0.13
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	10	0.13
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	10	0.13
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	10	0.13
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	10	0.13
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	10	0.13
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	10	0.13
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	16	0.13
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	16	0.13
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	16	0.13
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	16	0.13
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	16	0.13
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	16	0.13
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	3	0.13
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	8	0.13
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	12	0.13
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	14	0.13
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	4	0.12
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	9	0.12
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	13	0.12
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	18	0.12
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	19	0.12
(8,75)	1:88:A:PHE:HD1	1:75:A:TRP:HD1	20	0.12
(8,75)	1:88:A:PHE:HD2	1:75:A:TRP:HD1	20	0.12
(8,59)	1:110:A:TYR:HD1	1:115:A:HIS:HD2	16	0.12
(8,59)	1:110:A:TYR:HD2	1:115:A:HIS:HD2	16	0.12
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	18	0.12
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	18	0.12
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	18	0.12
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	18	0.12
(8,25)	1:82:A:TYR:HE1	1:17:A:TYR:HD1	8	0.12
(8,25)	1:82:A:TYR:HE1	1:17:A:TYR:HD2	8	0.12
(8,25)	1:82:A:TYR:HE2	1:17:A:TYR:HD1	8	0.12
(8,25)	1:82:A:TYR:HE2	1:17:A:TYR:HD2	8	0.12
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	12	0.12
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	12	0.12
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	12	0.12
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1363)	1:91:A:PRO:HD2	1:90:A:LYS:H	15	0.12
(6,1363)	1:91:A:PRO:HD3	1:90:A:LYS:H	15	0.12
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	7	0.12
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	14	0.12
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	4	0.12
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	15	0.12
(6,1349)	1:81:A:PRO:HG2	1:82:A:TYR:H	15	0.12
(6,1349)	1:81:A:PRO:HG3	1:82:A:TYR:H	15	0.12
(6,1332)	1:42:A:TYR:H	1:41:A:SER:HB2	2	0.12
(6,1332)	1:42:A:TYR:H	1:41:A:SER:HB3	2	0.12
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB2	12	0.12
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB3	12	0.12
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB2	18	0.12
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB3	18	0.12
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	2	0.12
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	7	0.12
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	9	0.12
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	10	0.12
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	11	0.12
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	9	0.12
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	9	0.12
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	9	0.12
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	9	0.12
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	1	0.12
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	1	0.12
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	1	0.12
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	1	0.12
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	13	0.12
(6,1297)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	13	0.12
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	13	0.12
(6,1297)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	13	0.12
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	1	0.12
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	1	0.12
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	1	0.12
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	1	0.12
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	13	0.12
(6,1296)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	13	0.12
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	13	0.12
(6,1296)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	13	0.12
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	4	0.12
(6,1288)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	4	0.12
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1288)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	4	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	1	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	1	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	1	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	1	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	3	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	3	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	3	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	3	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	4	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	4	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	4	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	4	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	8	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	8	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	8	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	8	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	17	0.12
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	17	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	17	0.12
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	17	0.12
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	1	0.12
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	1	0.12
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	1	0.12
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	1	0.12
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	13	0.12
(6,1277)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	13	0.12
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	13	0.12
(6,1277)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	13	0.12
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	1	0.12
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	1	0.12
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	1	0.12
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	1	0.12
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD21	13	0.12
(6,1276)	1:83:A:ASN:HB2	1:83:A:ASN:HD22	13	0.12
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD21	13	0.12
(6,1276)	1:83:A:ASN:HB3	1:83:A:ASN:HD22	13	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	2	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	2	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	7	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	7	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	13	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	17	0.12
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	17	0.12
(6,1257)	1:112:A:PRO:HD2	1:113:A:TYR:H	3	0.12
(6,1257)	1:112:A:PRO:HD3	1:113:A:TYR:H	3	0.12
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	1	0.12
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	1	0.12
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	1	0.12
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	1	0.12
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	1	0.12
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	1	0.12
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	8	0.12
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	8	0.12
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	8	0.12
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	8	0.12
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	8	0.12
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	8	0.12
(6,1239)	1:3:A:VAL:HB	1:3:A:VAL:H	5	0.12
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	16	0.12
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	16	0.12
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	16	0.12
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	16	0.12
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	16	0.12
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	16	0.12
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	1	0.12
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	1	0.12
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	6	0.12
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	6	0.12
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	6	0.12
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	9	0.12
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	9	0.12
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	9	0.12
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	10	0.12
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	11	0.12
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	12	0.12
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	15	0.12
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	20	0.12
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	7	0.12
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	7	0.12
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	7	0.12
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	13	0.12
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	13	0.12
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	3	0.12
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	18	0.12
(6,1154)	1:52:A:LEU:H	1:52:A:LEU:HG	8	0.12
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	1	0.12
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	12	0.12
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	11	0.12
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	14	0.12
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	2	0.12
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	2	0.12
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	2	0.12
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	17	0.12
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	17	0.12
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	17	0.12
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	10	0.12
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	10	0.12
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	10	0.12
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	10	0.12
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	10	0.12
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	10	0.12
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	18	0.12
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	18	0.12
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	18	0.12
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	18	0.12
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	18	0.12
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	18	0.12
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	2	0.12
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	2	0.12
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	10	0.12
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	10	0.12
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	18	0.12
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	18	0.12
(6,1076)	1:33:A:LYS:H	1:31:A:LEU:H	3	0.12
(6,1071)	1:29:A:ILE:HA	1:31:A:LEU:H	4	0.12
(6,1071)	1:29:A:ILE:HA	1:31:A:LEU:H	13	0.12
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	19	0.12
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	8	0.12
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	8	0.12
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	15	0.12
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	15	0.12
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	11	0.12
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	14	0.12
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG2	13	0.12
(6,943)	1:51:A:GLU:H	1:50:A:ARG:HG3	13	0.12
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	10	0.12
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	10	0.12
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	14	0.12
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	14	0.12
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	14	0.12
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	14	0.12
(6,941)	1:50:A:ARG:HB2	1:51:A:GLU:H	17	0.12
(6,941)	1:50:A:ARG:HB3	1:51:A:GLU:H	17	0.12
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	3	0.12
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	3	0.12
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB2	6	0.12
(6,933)	1:52:A:LEU:H	1:52:A:LEU:HB3	6	0.12
(6,922)	1:52:A:LEU:HB2	1:53:A:MET:H	1	0.12
(6,922)	1:52:A:LEU:HB3	1:53:A:MET:H	1	0.12
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	4	0.12
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	12	0.12
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	20	0.12
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	3	0.12
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	3	0.12
(6,907)	1:55:A:LEU:HD21	1:55:A:LEU:H	4	0.12
(6,907)	1:55:A:LEU:HD22	1:55:A:LEU:H	4	0.12
(6,907)	1:55:A:LEU:HD23	1:55:A:LEU:H	4	0.12
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	11	0.12
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	18	0.12
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	3	0.12
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	8	0.12
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	13	0.12
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG2	6	0.12
(6,868)	1:64:A:ARG:H	1:64:A:ARG:HG3	6	0.12
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	10	0.12
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	10	0.12
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	10	0.12
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	12	0.12
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	12	0.12
(6,838)	1:69:A:ASN:HB2	1:69:A:ASN:H	17	0.12
(6,838)	1:69:A:ASN:HB3	1:69:A:ASN:H	17	0.12
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	17	0.12
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	17	0.12
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	1	0.12
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	2	0.12
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	2	0.12
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	19	0.12
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	19	0.12
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	1	0.12
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	1	0.12
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	2	0.12
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	2	0.12
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	19	0.12
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	19	0.12
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	16	0.12
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	16	0.12
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	7	0.12
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	7	0.12
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	9	0.12
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	9	0.12
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	17	0.12
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	17	0.12
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	19	0.12
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	19	0.12
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	10	0.12
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	10	0.12
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	13	0.12
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	13	0.12
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	15	0.12
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	15	0.12
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	15	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	4	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	4	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	5	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	5	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	6	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	6	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	15	0.12
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	15	0.12
(6,766)	1:82:A:TYR:HB2	1:82:A:TYR:H	8	0.12
(6,766)	1:82:A:TYR:HB3	1:82:A:TYR:H	8	0.12
(6,720)	1:71:A:PRO:HG2	1:90:A:LYS:H	14	0.12
(6,720)	1:71:A:PRO:HG3	1:90:A:LYS:H	14	0.12
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	2	0.12
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	2	0.12
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	2	0.12
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	2	0.12
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	2	0.12
(6,712)	1:95:A:MET:HG2	1:92:A:THR:H	11	0.12
(6,712)	1:95:A:MET:HG3	1:92:A:THR:H	11	0.12
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	5	0.12
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	5	0.12
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	8	0.12
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	8	0.12
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	9	0.12
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	9	0.12
(6,707)	1:92:A:THR:HG21	1:92:A:THR:H	3	0.12
(6,707)	1:92:A:THR:HG22	1:92:A:THR:H	3	0.12
(6,707)	1:92:A:THR:HG23	1:92:A:THR:H	3	0.12
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	4	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	4	0.12
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	6	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	6	0.12
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	10	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	10	0.12
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	11	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	11	0.12
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	16	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	16	0.12
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	19	0.12
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	19	0.12
(6,685)	1:95:A:MET:HB2	1:96:A:THR:H	10	0.12
(6,685)	1:95:A:MET:HB3	1:96:A:THR:H	10	0.12
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	14	0.12
(6,682)	1:96:A:THR:HB	1:96:A:THR:H	16	0.12
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	11	0.12
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	11	0.12
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	11	0.12
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	11	0.12
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	11	0.12
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	11	0.12
(6,676)	1:103:A:VAL:HG11	1:98:A:LYS:H	19	0.12
(6,676)	1:103:A:VAL:HG12	1:98:A:LYS:H	19	0.12
(6,676)	1:103:A:VAL:HG13	1:98:A:LYS:H	19	0.12
(6,676)	1:103:A:VAL:HG21	1:98:A:LYS:H	19	0.12
(6,676)	1:103:A:VAL:HG22	1:98:A:LYS:H	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,676)	1:103:A:VAL:HG23	1:98:A:LYS:H	19	0.12
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	12	0.12
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	5	0.12
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	13	0.12
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	13	0.12
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	19	0.12
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	19	0.12
(6,652)	1:102:A:HIS:HA	1:102:A:HIS:H	15	0.12
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	1	0.12
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	1	0.12
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	19	0.12
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	19	0.12
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA2	13	0.12
(6,645)	1:102:A:HIS:H	1:100:A:GLY:HA3	13	0.12
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	18	0.12
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	18	0.12
(6,629)	1:105:A:ALA:HB1	1:104:A:ASP:H	6	0.12
(6,629)	1:105:A:ALA:HB2	1:104:A:ASP:H	6	0.12
(6,629)	1:105:A:ALA:HB3	1:104:A:ASP:H	6	0.12
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	17	0.12
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	17	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	1	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	1	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	4	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	4	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	5	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	5	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	8	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	8	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	9	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	9	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	10	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	10	0.12
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	14	0.12
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	14	0.12
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	3	0.12
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	4	0.12
(6,586)	1:87:A:CYS:HB2	1:109:A:ILE:H	14	0.12
(6,586)	1:87:A:CYS:HB3	1:109:A:ILE:H	14	0.12
(6,576)	1:110:A:TYR:HA	1:110:A:TYR:H	14	0.12
(6,570)	1:109:A:ILE:HG21	1:110:A:TYR:H	6	0.12
(6,570)	1:109:A:ILE:HG22	1:110:A:TYR:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,570)	1:109:A:ILE:HG23	1:110:A:TYR:H	6	0.12
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	3	0.12
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	12	0.12
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	13	0.12
(6,568)	1:109:A:ILE:HA	1:110:A:TYR:H	15	0.12
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	16	0.12
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	16	0.12
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	16	0.12
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	18	0.12
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	18	0.12
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	18	0.12
(6,546)	1:114:A:LEU:HA	1:115:A:HIS:H	10	0.12
(6,542)	1:114:A:LEU:H	1:115:A:HIS:HD2	4	0.12
(6,526)	1:114:A:LEU:HD11	1:115:A:HIS:H	14	0.12
(6,526)	1:114:A:LEU:HD12	1:115:A:HIS:H	14	0.12
(6,526)	1:114:A:LEU:HD13	1:115:A:HIS:H	14	0.12
(6,526)	1:114:A:LEU:HD21	1:115:A:HIS:H	14	0.12
(6,526)	1:114:A:LEU:HD22	1:115:A:HIS:H	14	0.12
(6,526)	1:114:A:LEU:HD23	1:115:A:HIS:H	14	0.12
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	12	0.12
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	12	0.12
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	12	0.12
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	12	0.12
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	12	0.12
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	12	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	5	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	5	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	10	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	10	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	19	0.12
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	19	0.12
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	13	0.12
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	13	0.12
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	12	0.12
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	14	0.12
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	15	0.12
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	10	0.12
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	11	0.12
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	16	0.12
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	17	0.12
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	18	0.12
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	17	0.12
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB2	6	0.12
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB3	6	0.12
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB2	15	0.12
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB3	15	0.12
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	4	0.12
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	4	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	8	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	8	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	8	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	8	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	8	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	8	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	10	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	10	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	10	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	10	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	10	0.12
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	10	0.12
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	1	0.12
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	1	0.12
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	1	0.12
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	1	0.12
(6,308)	1:135:A:PHE:H	1:134:A:VAL:H	12	0.12
(6,307)	1:135:A:PHE:H	1:136:A:GLY:H	20	0.12
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	5	0.12
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	5	0.12
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	20	0.12
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	13	0.12
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	13	0.12
(6,269)	1:144:A:ARG:HB2	1:143:A:SER:H	17	0.12
(6,269)	1:144:A:ARG:HB3	1:143:A:SER:H	17	0.12
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	13	0.12
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	13	0.12
(6,268)	1:144:A:ARG:HB2	1:143:A:SER:H	17	0.12
(6,268)	1:144:A:ARG:HB3	1:143:A:SER:H	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	1	0.12
(6,193)	1:19:A:ASP:HB2	1:19:A:ASP:H	7	0.12
(6,193)	1:19:A:ASP:HB3	1:19:A:ASP:H	7	0.12
(6,167)	1:17:A:TYR:HB2	1:17:A:TYR:H	15	0.12
(6,167)	1:17:A:TYR:HB3	1:17:A:TYR:H	15	0.12
(6,166)	1:15:A:TYR:HB2	1:17:A:TYR:H	9	0.12
(6,166)	1:15:A:TYR:HB3	1:17:A:TYR:H	9	0.12
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	5	0.12
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	5	0.12
(6,158)	1:78:A:ASP:HB2	1:16:A:LYS:H	1	0.12
(6,158)	1:78:A:ASP:HB3	1:16:A:LYS:H	1	0.12
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	11	0.12
(6,121)	1:13:A:SER:H	1:14:A:LYS:HA	5	0.12
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	1	0.12
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	1	0.12
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	1	0.12
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	1	0.12
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	1	0.12
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	1	0.12
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	15	0.12
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	15	0.12
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	15	0.12
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	15	0.12
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	15	0.12
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	15	0.12
(6,96)	1:51:A:GLU:HG2	1:11:A:MET:H	1	0.12
(6,96)	1:51:A:GLU:HG3	1:11:A:MET:H	1	0.12
(6,93)	1:11:A:MET:HG2	1:11:A:MET:H	6	0.12
(6,93)	1:11:A:MET:HG3	1:11:A:MET:H	6	0.12
(6,93)	1:11:A:MET:HG2	1:11:A:MET:H	20	0.12
(6,93)	1:11:A:MET:HG3	1:11:A:MET:H	20	0.12
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	5	0.12
(6,82)	1:10:A:LYS:H	1:7:A:GLN:H	13	0.12
(6,75)	1:7:A:GLN:HG2	1:9:A:LYS:H	4	0.12
(6,75)	1:7:A:GLN:HG3	1:9:A:LYS:H	4	0.12
(6,54)	1:3:A:VAL:HG11	1:7:A:GLN:H	1	0.12
(6,54)	1:3:A:VAL:HG12	1:7:A:GLN:H	1	0.12
(6,54)	1:3:A:VAL:HG13	1:7:A:GLN:H	1	0.12
(6,54)	1:3:A:VAL:HG21	1:7:A:GLN:H	1	0.12
(6,54)	1:3:A:VAL:HG22	1:7:A:GLN:H	1	0.12
(6,54)	1:3:A:VAL:HG23	1:7:A:GLN:H	1	0.12
(6,41)	1:5:A:GLU:HG2	1:6:A:SER:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,41)	1:5:A:GLU:HG3	1:6:A:SER:H	8	0.12
(6,15)	1:7:A:GLN:HG2	1:4:A:SER:H	2	0.12
(6,15)	1:7:A:GLN:HG3	1:4:A:SER:H	2	0.12
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	2	0.12
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	2	0.12
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	2	0.12
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.12
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.12
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.12
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	20	0.12
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	20	0.12
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	20	0.12
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	20	0.12
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	20	0.12
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	20	0.12
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	3	0.12
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	3	0.12
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	3	0.12
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	3	0.12
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	3	0.12
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	3	0.12
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG21	17	0.12
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG22	17	0.12
(4,3175)	1:90:A:LYS:HB2	1:56:A:THR:HG23	17	0.12
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG21	17	0.12
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG22	17	0.12
(4,3175)	1:90:A:LYS:HB3	1:56:A:THR:HG23	17	0.12
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	10	0.12
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	10	0.12
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	12	0.12
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	12	0.12
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	14	0.12
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	14	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	9	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	9	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	10	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	10	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	13	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	13	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	15	0.12
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	15	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	9	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	10	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	10	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	13	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	13	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	15	0.12
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	15	0.12
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	3	0.12
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	3	0.12
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	8	0.12
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	8	0.12
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	8	0.12
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	8	0.12
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	11	0.12
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	11	0.12
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	11	0.12
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	11	0.12
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	1	0.12
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	1	0.12
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	1	0.12
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	1	0.12
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	14	0.12
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	14	0.12
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	14	0.12
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	14	0.12
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	1	0.12
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	1	0.12
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	1	0.12
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	1	0.12
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	14	0.12
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	14	0.12
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	14	0.12
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	14	0.12
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	1	0.12
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	1	0.12
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	1	0.12
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	1	0.12
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	14	0.12
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	14	0.12
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	14	0.12
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	14	0.12
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	1	0.12
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	3	0.12
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	3	0.12
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	5	0.12
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	5	0.12
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	7	0.12
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	7	0.12
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	10	0.12
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	10	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	4	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	4	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	12	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	12	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	14	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	14	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	18	0.12
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	18	0.12
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG2	17	0.12
(4,3113)	1:98:A:LYS:HA	1:98:A:LYS:HG3	17	0.12
(4,3086)	1:89:A:VAL:HG11	1:91:A:PRO:HD2	17	0.12
(4,3086)	1:89:A:VAL:HG11	1:91:A:PRO:HD3	17	0.12
(4,3086)	1:89:A:VAL:HG12	1:91:A:PRO:HD2	17	0.12
(4,3086)	1:89:A:VAL:HG12	1:91:A:PRO:HD3	17	0.12
(4,3086)	1:89:A:VAL:HG13	1:91:A:PRO:HD2	17	0.12
(4,3086)	1:89:A:VAL:HG13	1:91:A:PRO:HD3	17	0.12
(4,3086)	1:89:A:VAL:HG21	1:91:A:PRO:HD2	17	0.12
(4,3086)	1:89:A:VAL:HG21	1:91:A:PRO:HD3	17	0.12
(4,3086)	1:89:A:VAL:HG22	1:91:A:PRO:HD2	17	0.12
(4,3086)	1:89:A:VAL:HG22	1:91:A:PRO:HD3	17	0.12
(4,3086)	1:89:A:VAL:HG23	1:91:A:PRO:HD2	17	0.12
(4,3086)	1:89:A:VAL:HG23	1:91:A:PRO:HD3	17	0.12
(4,3047)	1:37:A:PRO:HD3	1:36:A:LYS:HA	9	0.12
(4,3047)	1:37:A:PRO:HD3	1:36:A:LYS:HA	18	0.12
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD2	7	0.12
(4,3041)	1:13:A:SER:HB2	1:18:A:ARG:HD3	7	0.12
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD2	7	0.12
(4,3041)	1:13:A:SER:HB3	1:18:A:ARG:HD3	7	0.12
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	1	0.12
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	1	0.12
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	15	0.12
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	15	0.12
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	17	0.12
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	8	0.12
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	8	0.12
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	8	0.12
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	8	0.12
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	5	0.12
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	5	0.12
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	6	0.12
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	6	0.12
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	18	0.12
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	18	0.12
(4,3008)	1:81:A:PRO:HD2	1:81:A:PRO:HA	19	0.12
(4,3008)	1:81:A:PRO:HD3	1:81:A:PRO:HA	19	0.12
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	18	0.12
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	18	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	1	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	1	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	1	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	1	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	9	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	9	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	9	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	9	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	10	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	10	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	10	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	10	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	17	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	17	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	17	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	17	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	19	0.12
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	19	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	19	0.12
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	19	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	1	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	1	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	1	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	1	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	1	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	1	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	14	0.12
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	14	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	14	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	14	0.12
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	14	0.12
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	2	0.12
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	3	0.12
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	5	0.12
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	7	0.12
(4,2926)	1:80:A:TYR:HA	1:81:A:PRO:HA	20	0.12
(4,2915)	1:32:A:TYR:HE1	1:28:A:VAL:HA	18	0.12
(4,2915)	1:32:A:TYR:HE2	1:28:A:VAL:HA	18	0.12
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	13	0.12
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	13	0.12
(4,2892)	1:95:A:MET:HG2	1:143:A:SER:HA	10	0.12
(4,2892)	1:95:A:MET:HG3	1:143:A:SER:HA	10	0.12
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	14	0.12
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	14	0.12
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	14	0.12
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	14	0.12
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	14	0.12
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	14	0.12
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	14	0.12
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	14	0.12
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	14	0.12
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	14	0.12
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	14	0.12
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	14	0.12
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	14	0.12
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	14	0.12
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	14	0.12
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	14	0.12
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	14	0.12
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	14	0.12
(4,2872)	1:137:A:ASP:HB2	1:138:A:GLU:HG2	7	0.12
(4,2872)	1:137:A:ASP:HB2	1:138:A:GLU:HG3	7	0.12
(4,2872)	1:137:A:ASP:HB3	1:138:A:GLU:HG2	7	0.12
(4,2872)	1:137:A:ASP:HB3	1:138:A:GLU:HG3	7	0.12
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	2	0.12
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	2	0.12
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	20	0.12
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	9	0.12
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	9	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	9	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	9	0.12
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	12	0.12
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	12	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	12	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	12	0.12
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	16	0.12
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	16	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	16	0.12
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	16	0.12
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	1	0.12
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	1	0.12
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	1	0.12
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG11	1	0.12
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG12	1	0.12
(4,2821)	1:133:A:VAL:H	1:133:A:VAL:HG13	1	0.12
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG21	6	0.12
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG22	6	0.12
(4,2815)	1:133:A:VAL:H	1:132:A:ILE:HG23	6	0.12
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	16	0.12
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	16	0.12
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	16	0.12
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	16	0.12
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	16	0.12
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	16	0.12
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	6	0.12
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	11	0.12
(4,2788)	1:132:A:ILE:HA	1:61:A:VAL:HB	14	0.12
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	15	0.12
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	15	0.12
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	15	0.12
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE1	10	0.12
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE2	10	0.12
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE3	10	0.12
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	11	0.12
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	11	0.12
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	11	0.12
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	11	0.12
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	11	0.12
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	11	0.12
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	11	0.12
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	11	0.12
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	1	0.12
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	1	0.12
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	1	0.12
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	1	0.12
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	1	0.12
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	1	0.12
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	1	0.12
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	1	0.12
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	1	0.12
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	2	0.12
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	2	0.12
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	2	0.12
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	2	0.12
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	2	0.12
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	2	0.12
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	2	0.12
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	2	0.12
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	2	0.12
(4,2759)	1:134:A:VAL:HG21	1:131:A:MET:HA	12	0.12
(4,2759)	1:134:A:VAL:HG22	1:131:A:MET:HA	12	0.12
(4,2759)	1:134:A:VAL:HG23	1:131:A:MET:HA	12	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	9	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	9	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	9	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	9	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	9	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	9	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	11	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	11	0.12
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	11	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	11	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	11	0.12
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	11	0.12
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	2	0.12
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	5	0.12
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	6	0.12
(4,2695)	1:128:A:ILE:HB	1:128:A:ILE:H	12	0.12
(4,2689)	1:74:A:LEU:HD11	1:127:A:LEU:HG	12	0.12
(4,2689)	1:74:A:LEU:HD12	1:127:A:LEU:HG	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2689)	1:74:A:LEU:HD13	1:127:A:LEU:HG	12	0.12
(4,2689)	1:74:A:LEU:HD21	1:127:A:LEU:HG	12	0.12
(4,2689)	1:74:A:LEU:HD22	1:127:A:LEU:HG	12	0.12
(4,2689)	1:74:A:LEU:HD23	1:127:A:LEU:HG	12	0.12
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	1	0.12
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	1	0.12
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	1	0.12
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	1	0.12
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	1	0.12
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	1	0.12
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	1	0.12
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	1	0.12
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	1	0.12
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	1	0.12
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	1	0.12
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	1	0.12
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	5	0.12
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	5	0.12
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	5	0.12
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	5	0.12
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	5	0.12
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	5	0.12
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	8	0.12
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	8	0.12
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	8	0.12
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	8	0.12
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	8	0.12
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	8	0.12
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	13	0.12
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	13	0.12
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	13	0.12
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	13	0.12
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	13	0.12
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	13	0.12
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	14	0.12
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	14	0.12
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	14	0.12
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	14	0.12
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	14	0.12
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	14	0.12
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	16	0.12
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	16	0.12
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	16	0.12
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	16	0.12
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	16	0.12
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	18	0.12
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	18	0.12
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	18	0.12
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	18	0.12
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	18	0.12
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	18	0.12
(4,2639)	1:125:A:LEU:HA	1:125:A:LEU:HG	16	0.12
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	15	0.12
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	15	0.12
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	15	0.12
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	15	0.12
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	15	0.12
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	15	0.12
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	11	0.12
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	11	0.12
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	15	0.12
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	15	0.12
(4,2613)	1:117:A:TRP:HZ2	1:123:A:ASP:HA	17	0.12
(4,2612)	1:117:A:TRP:HH2	1:123:A:ASP:HA	10	0.12
(4,2607)	1:113:A:TYR:HE1	1:122:A:SER:HA	20	0.12
(4,2607)	1:113:A:TYR:HE2	1:122:A:SER:HA	20	0.12
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	6	0.12
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	6	0.12
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	6	0.12
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	6	0.12
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	12	0.12
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	12	0.12
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	12	0.12
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	12	0.12
(4,2522)	1:116:A:GLU:HG2	1:113:A:TYR:HA	11	0.12
(4,2522)	1:116:A:GLU:HG3	1:113:A:TYR:HA	11	0.12
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	14	0.12
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	14	0.12
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	11	0.12
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	11	0.12
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	11	0.12
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	11	0.12
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	3	0.12
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	3	0.12
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	3	0.12
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	6	0.12
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	6	0.12
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	6	0.12
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	6	0.12
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	14	0.12
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	14	0.12
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	14	0.12
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	14	0.12
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	3	0.12
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	3	0.12
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	3	0.12
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	3	0.12
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	6	0.12
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	6	0.12
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	6	0.12
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	6	0.12
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	14	0.12
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	14	0.12
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	14	0.12
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	14	0.12
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	3	0.12
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	3	0.12
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	3	0.12
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	3	0.12
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	6	0.12
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	6	0.12
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	6	0.12
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	6	0.12
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	14	0.12
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	14	0.12
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	14	0.12
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	14	0.12
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	3	0.12
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	3	0.12
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	3	0.12
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	3	0.12
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	6	0.12
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	6	0.12
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	6	0.12
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	14	0.12
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	14	0.12
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	14	0.12
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	14	0.12
(4,2477)	1:111:A:LEU:HA	1:102:A:HIS:HD1	10	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	4	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	4	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	4	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	6	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	6	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	6	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	8	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	8	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	8	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	13	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	13	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	13	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	18	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	18	0.12
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	18	0.12
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	3	0.12
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	3	0.12
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	3	0.12
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	3	0.12
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	3	0.12
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	3	0.12
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	8	0.12
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	8	0.12
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	8	0.12
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	8	0.12
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	8	0.12
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	8	0.12
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	11	0.12
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	11	0.12
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	11	0.12
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	11	0.12
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	11	0.12
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	11	0.12
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	19	0.12
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	19	0.12
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	19	0.12
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	19	0.12
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	19	0.12
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG21	16	0.12
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG22	16	0.12
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG23	16	0.12
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG21	16	0.12
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG22	16	0.12
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG23	16	0.12
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG21	16	0.12
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG22	16	0.12
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG23	16	0.12
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD1	7	0.12
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD2	7	0.12
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD1	7	0.12
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD2	7	0.12
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD1	7	0.12
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD2	7	0.12
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	3	0.12
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	3	0.12
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	3	0.12
(4,2397)	1:103:A:VAL:HB	1:99:A:THR:HB	19	0.12
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	4	0.12
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	4	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	18	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	18	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	18	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	18	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	18	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	18	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	19	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	19	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	19	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	19	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	19	0.12
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	19	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	2	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	2	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	2	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	2	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	2	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	5	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	5	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	5	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	5	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	5	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	5	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	6	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	6	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	6	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	6	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	6	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	6	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	11	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	11	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	11	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	11	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	11	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	11	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	14	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	14	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	14	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	14	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	14	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	14	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE1	17	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE2	17	0.12
(4,2352)	1:95:A:MET:HG2	1:95:A:MET:HE3	17	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE1	17	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE2	17	0.12
(4,2352)	1:95:A:MET:HG3	1:95:A:MET:HE3	17	0.12
(4,2348)	1:143:A:SER:HA	1:95:A:MET:HA	2	0.12
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD11	11	0.12
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD12	11	0.12
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD13	11	0.12
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD21	11	0.12
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD22	11	0.12
(4,2295)	1:87:A:CYS:HB2	1:127:A:LEU:HD23	11	0.12
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD11	11	0.12
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD12	11	0.12
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD13	11	0.12
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD21	11	0.12
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD22	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2295)	1:87:A:CYS:HB3	1:127:A:LEU:HD23	11	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	6	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	6	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	6	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	6	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	6	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	6	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	17	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	17	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	17	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	17	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	17	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	17	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	18	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	18	0.12
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	18	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	18	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	18	0.12
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	18	0.12
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	18	0.12
(4,2287)	1:74:A:LEU:HG	1:87:A:CYS:HA	15	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	15	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	15	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	15	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	15	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	15	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	15	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	18	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	18	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	18	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	18	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	18	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	18	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	20	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	20	0.12
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	20	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	20	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	20	0.12
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	20	0.12
(4,2277)	1:88:A:PHE:HD1	1:86:A:ILE:HB	11	0.12
(4,2277)	1:88:A:PHE:HD2	1:86:A:ILE:HB	11	0.12
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2269)	1:76:A:LEU:HD11	1:85:A:PRO:HB3	4	0.12
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB2	4	0.12
(4,2269)	1:76:A:LEU:HD12	1:85:A:PRO:HB3	4	0.12
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB2	4	0.12
(4,2269)	1:76:A:LEU:HD13	1:85:A:PRO:HB3	4	0.12
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB2	4	0.12
(4,2269)	1:76:A:LEU:HD21	1:85:A:PRO:HB3	4	0.12
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB2	4	0.12
(4,2269)	1:76:A:LEU:HD22	1:85:A:PRO:HB3	4	0.12
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB2	4	0.12
(4,2269)	1:76:A:LEU:HD23	1:85:A:PRO:HB3	4	0.12
(4,2268)	1:77:A:LEU:H	1:85:A:PRO:HA	2	0.12
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	13	0.12
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	13	0.12
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	13	0.12
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	13	0.12
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	14	0.12
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	14	0.12
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	14	0.12
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	14	0.12
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	4	0.12
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	4	0.12
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	6	0.12
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	6	0.12
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	18	0.12
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	18	0.12
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	19	0.12
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	19	0.12
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	8	0.12
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	8	0.12
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	17	0.12
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	17	0.12
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	7	0.12
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	7	0.12
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	15	0.12
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	15	0.12
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	18	0.12
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	18	0.12
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	2	0.12
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	3	0.12
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	5	0.12
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2238)	1:80:A:TYR:HA	1:81:A:PRO:HA	20	0.12
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	17	0.12
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	17	0.12
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	17	0.12
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	17	0.12
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	17	0.12
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	17	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	2	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	2	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	2	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	4	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	4	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	4	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	10	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	10	0.12
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	10	0.12
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE1	5	0.12
(4,2234)	1:79:A:THR:HG21	1:17:A:TYR:HE2	5	0.12
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE1	5	0.12
(4,2234)	1:79:A:THR:HG22	1:17:A:TYR:HE2	5	0.12
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE1	5	0.12
(4,2234)	1:79:A:THR:HG23	1:17:A:TYR:HE2	5	0.12
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	4	0.12
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	4	0.12
(4,2221)	1:16:A:LYS:HE2	1:79:A:THR:HB	2	0.12
(4,2221)	1:16:A:LYS:HE3	1:79:A:THR:HB	2	0.12
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	10	0.12
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	9	0.12
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	9	0.12
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	9	0.12
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	9	0.12
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	9	0.12
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	9	0.12
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	9	0.12
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	9	0.12
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	9	0.12
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	9	0.12
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	9	0.12
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	9	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	7	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	7	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	9	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	17	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	17	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	19	0.12
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	19	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	7	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	7	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	9	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	9	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	17	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	17	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	19	0.12
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	19	0.12
(4,2150)	1:85:A:PRO:HB2	1:76:A:LEU:HA	4	0.12
(4,2150)	1:85:A:PRO:HB3	1:76:A:LEU:HA	4	0.12
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	9	0.12
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	9	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	10	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	10	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	10	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	10	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	10	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	10	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	10	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	10	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	10	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	10	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	10	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	10	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	10	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	10	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	10	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	10	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	10	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	10	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	10	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	10	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	10	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	10	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	10	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	10	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	10	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	10	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	10	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	10	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	10	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	10	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	10	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	10	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	10	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	10	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	10	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	14	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	14	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	14	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	14	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	14	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	14	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	14	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	14	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	14	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	14	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	14	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	14	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	14	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	14	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	14	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	14	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	14	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	14	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	14	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	14	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	14	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	14	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	14	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	14	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	14	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	14	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	14	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	14	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	14	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	14	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	14	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	14	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	14	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	14	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	14	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD11	16	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD12	16	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD13	16	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD21	16	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD22	16	0.12
(4,2134)	1:127:A:LEU:HD11	1:74:A:LEU:HD23	16	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD11	16	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD12	16	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD13	16	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD21	16	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD22	16	0.12
(4,2134)	1:127:A:LEU:HD12	1:74:A:LEU:HD23	16	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD11	16	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD12	16	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD13	16	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD21	16	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD22	16	0.12
(4,2134)	1:127:A:LEU:HD13	1:74:A:LEU:HD23	16	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD11	16	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD12	16	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD13	16	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD21	16	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD22	16	0.12
(4,2134)	1:127:A:LEU:HD21	1:74:A:LEU:HD23	16	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD11	16	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD12	16	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD13	16	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD21	16	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD22	16	0.12
(4,2134)	1:127:A:LEU:HD22	1:74:A:LEU:HD23	16	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD11	16	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD12	16	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD13	16	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD21	16	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD22	16	0.12
(4,2134)	1:127:A:LEU:HD23	1:74:A:LEU:HD23	16	0.12
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2124)	1:55:A:LEU:HD11	1:55:A:LEU:HB3	11	0.12
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB2	11	0.12
(4,2124)	1:55:A:LEU:HD12	1:55:A:LEU:HB3	11	0.12
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB2	11	0.12
(4,2124)	1:55:A:LEU:HD13	1:55:A:LEU:HB3	11	0.12
(4,2115)	1:32:A:TYR:HE1	1:28:A:VAL:HG11	4	0.12
(4,2115)	1:32:A:TYR:HE1	1:28:A:VAL:HG12	4	0.12
(4,2115)	1:32:A:TYR:HE1	1:28:A:VAL:HG13	4	0.12
(4,2115)	1:32:A:TYR:HE2	1:28:A:VAL:HG11	4	0.12
(4,2115)	1:32:A:TYR:HE2	1:28:A:VAL:HG12	4	0.12
(4,2115)	1:32:A:TYR:HE2	1:28:A:VAL:HG13	4	0.12
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB2	20	0.12
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB3	20	0.12
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	13	0.12
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	16	0.12
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	12	0.12
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	12	0.12
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	12	0.12
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	14	0.12
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	14	0.12
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	14	0.12
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	1	0.12
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	1	0.12
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	7	0.12
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	7	0.12
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	19	0.12
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	19	0.12
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	13	0.12
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	13	0.12
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	13	0.12
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	18	0.12
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	18	0.12
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	18	0.12
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	20	0.12
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	20	0.12
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	20	0.12
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	12	0.12
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	12	0.12
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	3	0.12
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	3	0.12
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	13	0.12
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	17	0.12
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	17	0.12
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	7	0.12
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	7	0.12
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	7	0.12
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	7	0.12
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	7	0.12
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	7	0.12
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	16	0.12
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	16	0.12
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	16	0.12
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	16	0.12
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	16	0.12
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	16	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG11	2	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG12	2	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG13	2	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG21	2	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG22	2	0.12
(4,1963)	1:136:A:GLY:HA2	1:61:A:VAL:HG23	2	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG11	2	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG12	2	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG13	2	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG21	2	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG22	2	0.12
(4,1963)	1:136:A:GLY:HA3	1:61:A:VAL:HG23	2	0.12
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	5	0.12
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	5	0.12
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	11	0.12
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	11	0.12
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	11	0.12
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	11	0.12
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	11	0.12
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	11	0.12
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	19	0.12
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	19	0.12
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	19	0.12
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	19	0.12
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	19	0.12
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	19	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	2	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	7	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	7	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	8	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	8	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	10	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	10	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	15	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	15	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	20	0.12
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	20	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB2	4	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB3	4	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB2	4	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB3	4	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB2	4	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB3	4	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB2	6	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB3	6	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB2	6	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB3	6	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB2	6	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB3	6	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB2	17	0.12
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB3	17	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB2	17	0.12
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB3	17	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB2	17	0.12
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB3	17	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG21	4	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG22	4	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG23	4	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG21	4	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG22	4	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG23	4	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG21	6	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG22	6	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG23	6	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG21	6	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG22	6	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG23	6	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG21	17	0.12
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG22	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG23	17	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG21	17	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG22	17	0.12
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG23	17	0.12
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	5	0.12
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	5	0.12
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	5	0.12
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	5	0.12
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	5	0.12
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	5	0.12
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	5	0.12
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	5	0.12
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	5	0.12
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	17	0.12
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	17	0.12
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	17	0.12
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	17	0.12
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	17	0.12
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	17	0.12
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	17	0.12
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	17	0.12
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	17	0.12
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	5	0.12
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	5	0.12
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	1	0.12
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	1	0.12
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	1	0.12
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	2	0.12
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	2	0.12
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	2	0.12
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	13	0.12
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	13	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	3	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	3	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	3	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	3	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	3	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	3	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	4	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	4	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	4	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	4	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	4	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	10	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	10	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	10	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	10	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	10	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	10	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	11	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	11	0.12
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	11	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	11	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	11	0.12
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	11	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	3	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	3	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	3	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	3	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	3	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	3	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	4	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	4	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	4	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	4	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	4	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	4	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	10	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	10	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	10	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	10	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	10	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	10	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	11	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	11	0.12
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	11	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	11	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	11	0.12
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	11	0.12
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	9	0.12
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	9	0.12
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	9	0.12
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	9	0.12
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	9	0.12
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	18	0.12
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	18	0.12
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	18	0.12
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	18	0.12
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	18	0.12
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	18	0.12
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	9	0.12
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	9	0.12
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	9	0.12
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	9	0.12
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	9	0.12
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	9	0.12
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	18	0.12
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	18	0.12
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	18	0.12
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	18	0.12
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	18	0.12
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	18	0.12
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	20	0.12
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	20	0.12
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	20	0.12
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	20	0.12
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	20	0.12
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	20	0.12
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	20	0.12
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	20	0.12
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	20	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD21	4	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD22	4	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD23	4	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD21	20	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD22	20	0.12
(4,1802)	1:36:A:LYS:H	1:55:A:LEU:HD23	20	0.12
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	20	0.12
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	20	0.12
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	4	0.12
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	12	0.12
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	20	0.12
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	12	0.12
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	18	0.12
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	18	0.12
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB2	15	0.12
(4,1778)	1:54:A:ASN:HA	1:54:A:ASN:HB3	15	0.12
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	14	0.12
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	15	0.12
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	5	0.12
(4,1766)	1:50:A:ARG:HD2	1:52:A:LEU:HD11	18	0.12
(4,1766)	1:50:A:ARG:HD2	1:52:A:LEU:HD12	18	0.12
(4,1766)	1:50:A:ARG:HD2	1:52:A:LEU:HD13	18	0.12
(4,1766)	1:50:A:ARG:HD3	1:52:A:LEU:HD11	18	0.12
(4,1766)	1:50:A:ARG:HD3	1:52:A:LEU:HD12	18	0.12
(4,1766)	1:50:A:ARG:HD3	1:52:A:LEU:HD13	18	0.12
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG2	2	0.12
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG3	2	0.12
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	1	0.12
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	1	0.12
(4,1744)	1:52:A:LEU:HD21	1:50:A:ARG:HB2	17	0.12
(4,1744)	1:52:A:LEU:HD21	1:50:A:ARG:HB3	17	0.12
(4,1744)	1:52:A:LEU:HD22	1:50:A:ARG:HB2	17	0.12
(4,1744)	1:52:A:LEU:HD22	1:50:A:ARG:HB3	17	0.12
(4,1744)	1:52:A:LEU:HD23	1:50:A:ARG:HB2	17	0.12
(4,1744)	1:52:A:LEU:HD23	1:50:A:ARG:HB3	17	0.12
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	13	0.12
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	13	0.12
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	19	0.12
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	19	0.12
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	13	0.12
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	13	0.12
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	19	0.12
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	19	0.12
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	13	0.12
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	13	0.12
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	19	0.12
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	19	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	1	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	1	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	1	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	1	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	1	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	1	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	1	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	1	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	1	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	1	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	1	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	7	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	7	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	7	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	7	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	7	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	7	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	7	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	7	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	7	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	7	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	7	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	7	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	16	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	16	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	16	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	16	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	16	0.12
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	16	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	16	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	16	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	16	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	16	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	16	0.12
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	16	0.12
(4,1681)	1:11:A:MET:HG2	1:39:A:LEU:HD11	2	0.12
(4,1681)	1:11:A:MET:HG2	1:39:A:LEU:HD12	2	0.12
(4,1681)	1:11:A:MET:HG2	1:39:A:LEU:HD13	2	0.12
(4,1681)	1:11:A:MET:HG3	1:39:A:LEU:HD11	2	0.12
(4,1681)	1:11:A:MET:HG3	1:39:A:LEU:HD12	2	0.12
(4,1681)	1:11:A:MET:HG3	1:39:A:LEU:HD13	2	0.12
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	16	0.12
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	16	0.12
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	16	0.12
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	2	0.12
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	2	0.12
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	2	0.12
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	2	0.12
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	2	0.12
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	12	0.12
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	12	0.12
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	20	0.12
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	20	0.12
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	17	0.12
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	17	0.12
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	17	0.12
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	17	0.12
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	17	0.12
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	17	0.12
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	17	0.12
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	17	0.12
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	17	0.12
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	17	0.12
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	17	0.12
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	17	0.12
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	17	0.12
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	17	0.12
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	17	0.12
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	17	0.12
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	17	0.12
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	17	0.12
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	1	0.12
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	1	0.12
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	5	0.12
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	5	0.12
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	7	0.12
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	7	0.12
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	13	0.12
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	13	0.12
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	15	0.12
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	15	0.12
(4,1642)	1:57:A:GLY:HA2	1:35:A:LEU:HA	17	0.12
(4,1642)	1:57:A:GLY:HA3	1:35:A:LEU:HA	17	0.12
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG2	1	0.12
(4,1632)	1:33:A:LYS:HE2	1:33:A:LYS:HG3	1	0.12
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG2	1	0.12
(4,1632)	1:33:A:LYS:HE3	1:33:A:LYS:HG3	1	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	1	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	1	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	1	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	2	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	2	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	2	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	2	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	3	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	3	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	3	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	3	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	5	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	5	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	5	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	5	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	7	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	7	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	7	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	7	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	10	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	10	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	10	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	10	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	11	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	11	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	11	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	11	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	13	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	13	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	13	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	13	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	14	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	14	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	14	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	14	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	16	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	16	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	16	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	16	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	17	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	17	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	17	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	20	0.12
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	20	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	20	0.12
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	20	0.12
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	13	0.12
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	16	0.12
(4,1605)	1:31:A:LEU:HB2	1:32:A:TYR:H	4	0.12
(4,1605)	1:31:A:LEU:HB3	1:32:A:TYR:H	4	0.12
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	1	0.12
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	1	0.12
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	6	0.12
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	6	0.12
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	7	0.12
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	7	0.12
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	20	0.12
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	20	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	3	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	3	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	3	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	3	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	3	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	3	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	12	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	12	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	12	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	12	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	12	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	12	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	15	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	15	0.12
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	15	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	15	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	15	0.12
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	15	0.12
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	5	0.12
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	5	0.12
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	5	0.12
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	5	0.12
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	5	0.12
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	5	0.12
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	5	0.12
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	5	0.12
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG21	15	0.12
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG22	15	0.12
(4,1579)	1:25:A:THR:HG21	1:29:A:ILE:HG23	15	0.12
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG21	15	0.12
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG22	15	0.12
(4,1579)	1:25:A:THR:HG22	1:29:A:ILE:HG23	15	0.12
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG21	15	0.12
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG22	15	0.12
(4,1579)	1:25:A:THR:HG23	1:29:A:ILE:HG23	15	0.12
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG21	4	0.12
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG22	4	0.12
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG23	4	0.12
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG21	4	0.12
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG22	4	0.12
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG23	4	0.12
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG21	4	0.12
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG22	4	0.12
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG23	4	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	2	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	2	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	3	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	3	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	16	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	16	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	18	0.12
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	18	0.12
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	1	0.12
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	1	0.12
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	1	0.12
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	1	0.12
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	1	0.12
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	1	0.12
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	20	0.12
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	20	0.12
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	20	0.12
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	20	0.12
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	20	0.12
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	20	0.12
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	8	0.12
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	8	0.12
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB2	16	0.12
(4,1559)	1:28:A:VAL:HG21	1:124:A:LEU:HB3	16	0.12
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB2	16	0.12
(4,1559)	1:28:A:VAL:HG22	1:124:A:LEU:HB3	16	0.12
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB2	16	0.12
(4,1559)	1:28:A:VAL:HG23	1:124:A:LEU:HB3	16	0.12
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	15	0.12
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	15	0.12
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	15	0.12
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	15	0.12
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	15	0.12
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	15	0.12
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	15	0.12
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	15	0.12
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	15	0.12
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	19	0.12
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	19	0.12
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	19	0.12
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	19	0.12
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	19	0.12
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	19	0.12
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	19	0.12
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	19	0.12
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	19	0.12
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	19	0.12
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	19	0.12
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	19	0.12
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG12	20	0.12
(4,1549)	1:128:A:ILE:HG21	1:72:A:ILE:HG13	20	0.12
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG12	20	0.12
(4,1549)	1:128:A:ILE:HG22	1:72:A:ILE:HG13	20	0.12
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG12	20	0.12
(4,1549)	1:128:A:ILE:HG23	1:72:A:ILE:HG13	20	0.12
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	16	0.12
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	16	0.12
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	16	0.12
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	17	0.12
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	17	0.12
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	17	0.12
(4,1542)	1:125:A:LEU:HG	1:28:A:VAL:HA	16	0.12
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	20	0.12
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	20	0.12
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	20	0.12
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	20	0.12
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	20	0.12
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	20	0.12
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	20	0.12
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	20	0.12
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	20	0.12
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	20	0.12
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	20	0.12
(4,1513)	1:22:A:VAL:HA	1:26:A:VAL:HB	6	0.12
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	14	0.12
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	14	0.12
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	14	0.12
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	14	0.12
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	14	0.12
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	14	0.12
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	19	0.12
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	19	0.12
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	19	0.12
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	19	0.12
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	19	0.12
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	19	0.12
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	3	0.12
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	3	0.12
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	3	0.12
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	3	0.12
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	13	0.12
(4,1485)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	13	0.12
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	13	0.12
(4,1485)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	13	0.12
(4,1479)	1:124:A:LEU:HD11	1:24:A:GLU:HG2	18	0.12
(4,1479)	1:124:A:LEU:HD11	1:24:A:GLU:HG3	18	0.12
(4,1479)	1:124:A:LEU:HD12	1:24:A:GLU:HG2	18	0.12
(4,1479)	1:124:A:LEU:HD12	1:24:A:GLU:HG3	18	0.12
(4,1479)	1:124:A:LEU:HD13	1:24:A:GLU:HG2	18	0.12
(4,1479)	1:124:A:LEU:HD13	1:24:A:GLU:HG3	18	0.12
(4,1479)	1:124:A:LEU:HD21	1:24:A:GLU:HG2	18	0.12
(4,1479)	1:124:A:LEU:HD21	1:24:A:GLU:HG3	18	0.12
(4,1479)	1:124:A:LEU:HD22	1:24:A:GLU:HG2	18	0.12
(4,1479)	1:124:A:LEU:HD22	1:24:A:GLU:HG3	18	0.12
(4,1479)	1:124:A:LEU:HD23	1:24:A:GLU:HG2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1479)	1:124:A:LEU:HD23	1:24:A:GLU:HG3	18	0.12
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	3	0.12
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	3	0.12
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	3	0.12
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	3	0.12
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	13	0.12
(4,1478)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	13	0.12
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	13	0.12
(4,1478)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	13	0.12
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	3	0.12
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	3	0.12
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	3	0.12
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	3	0.12
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	13	0.12
(4,1477)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	13	0.12
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	13	0.12
(4,1477)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	13	0.12
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	3	0.12
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	3	0.12
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	3	0.12
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	3	0.12
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	13	0.12
(4,1476)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	13	0.12
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	13	0.12
(4,1476)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	13	0.12
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	3	0.12
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	3	0.12
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	3	0.12
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	3	0.12
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	13	0.12
(4,1475)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	13	0.12
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	13	0.12
(4,1475)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	13	0.12
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	4	0.12
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	4	0.12
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	4	0.12
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	4	0.12
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB2	5	0.12
(4,1472)	1:28:A:VAL:HG21	1:24:A:GLU:HB3	5	0.12
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB2	5	0.12
(4,1472)	1:28:A:VAL:HG22	1:24:A:GLU:HB3	5	0.12
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1472)	1:28:A:VAL:HG23	1:24:A:GLU:HB3	5	0.12
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	20	0.12
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	20	0.12
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	20	0.12
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	20	0.12
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	20	0.12
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	20	0.12
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	20	0.12
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	20	0.12
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	20	0.12
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	20	0.12
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	20	0.12
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	20	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	3	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	3	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	6	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	6	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	8	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	8	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	12	0.12
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	12	0.12
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	1	0.12
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	10	0.12
(4,1443)	1:9:A:LYS:HD2	1:22:A:VAL:HA	16	0.12
(4,1443)	1:9:A:LYS:HD3	1:22:A:VAL:HA	16	0.12
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	4	0.12
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	4	0.12
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	4	0.12
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	4	0.12
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	4	0.12
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	4	0.12
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	4	0.12
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	4	0.12
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	4	0.12
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	4	0.12
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	4	0.12
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	4	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	10	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	10	0.12
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	10	0.12
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	10	0.12
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	10	0.12
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	10	0.12
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	10	0.12
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	10	0.12
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	10	0.12
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	10	0.12
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	10	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	16	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	16	0.12
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	16	0.12
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	16	0.12
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	16	0.12
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	16	0.12
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	16	0.12
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	16	0.12
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	16	0.12
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	16	0.12
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	16	0.12
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	16	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	17	0.12
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	17	0.12
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	17	0.12
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	17	0.12
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	17	0.12
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	17	0.12
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	17	0.12
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	17	0.12
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	17	0.12
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	17	0.12
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	17	0.12
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	17	0.12
(4,1411)	1:24:A:GLU:HG2	1:20:A:LEU:HD11	18	0.12
(4,1411)	1:24:A:GLU:HG2	1:20:A:LEU:HD12	18	0.12
(4,1411)	1:24:A:GLU:HG2	1:20:A:LEU:HD13	18	0.12
(4,1411)	1:24:A:GLU:HG2	1:20:A:LEU:HD21	18	0.12
(4,1411)	1:24:A:GLU:HG2	1:20:A:LEU:HD22	18	0.12
(4,1411)	1:24:A:GLU:HG2	1:20:A:LEU:HD23	18	0.12
(4,1411)	1:24:A:GLU:HG3	1:20:A:LEU:HD11	18	0.12
(4,1411)	1:24:A:GLU:HG3	1:20:A:LEU:HD12	18	0.12
(4,1411)	1:24:A:GLU:HG3	1:20:A:LEU:HD13	18	0.12
(4,1411)	1:24:A:GLU:HG3	1:20:A:LEU:HD21	18	0.12
(4,1411)	1:24:A:GLU:HG3	1:20:A:LEU:HD22	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1411)	1:24:A:GLU:HG3	1:20:A:LEU:HD23	18	0.12
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD2	11	0.12
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD3	11	0.12
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD2	11	0.12
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD3	11	0.12
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	2	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	2	0.12
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	7	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	7	0.12
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	9	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	9	0.12
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	11	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	11	0.12
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	16	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	16	0.12
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	19	0.12
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	19	0.12
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	20	0.12
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	20	0.12
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	20	0.12
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	20	0.12
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	4	0.12
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	4	0.12
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	4	0.12
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	4	0.12
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	4	0.12
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	4	0.12
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	9	0.12
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	9	0.12
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	9	0.12
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	9	0.12
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	9	0.12
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	9	0.12
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	13	0.12
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	13	0.12
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	13	0.12
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	13	0.12
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	13	0.12
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	13	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	2	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	2	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	2	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	2	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	2	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	2	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	2	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	2	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	2	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	2	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	2	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	3	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	3	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	3	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	3	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	3	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	3	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	3	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	3	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	3	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	3	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	3	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	3	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	9	0.12
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	9	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	9	0.12
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	9	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	9	0.12
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	9	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	9	0.12
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	9	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	9	0.12
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	9	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	9	0.12
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	9	0.12
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB2	19	0.12
(4,1352)	1:20:A:LEU:HG	1:17:A:TYR:HB3	19	0.12
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	13	0.12
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	13	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	1	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	2	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	3	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	4	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	6	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	7	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	8	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	9	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	10	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	11	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	12	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	13	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	14	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	15	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	16	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	17	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	18	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	19	0.12
(4,1334)	1:16:A:LYS:HG3	1:16:A:LYS:HG2	20	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	4	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	4	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	4	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	4	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	6	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	6	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	6	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	6	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	11	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	11	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	11	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	11	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	12	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	12	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	12	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	12	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	14	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	14	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	14	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	14	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	15	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	15	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	15	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	15	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	16	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	16	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	16	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	18	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	18	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	18	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	18	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB2	20	0.12
(4,1332)	1:16:A:LYS:HG2	1:16:A:LYS:HB3	20	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB2	20	0.12
(4,1332)	1:16:A:LYS:HG3	1:16:A:LYS:HB3	20	0.12
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	11	0.12
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	11	0.12
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	11	0.12
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	11	0.12
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	3	0.12
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	3	0.12
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB2	6	0.12
(4,1311)	1:12:A:VAL:HB	1:15:A:TYR:HB3	6	0.12
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	13	0.12
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	13	0.12
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	13	0.12
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	13	0.12
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	13	0.12
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	13	0.12
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	13	0.12
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	13	0.12
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	5	0.12
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	5	0.12
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	5	0.12
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	5	0.12
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	5	0.12
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	5	0.12
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	5	0.12
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	5	0.12
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	5	0.12
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	5	0.12
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	5	0.12
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	5	0.12
(4,1231)	1:53:A:MET:HG2	1:8:A:LEU:HG	2	0.12
(4,1231)	1:53:A:MET:HG3	1:8:A:LEU:HG	2	0.12
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	3	0.12
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	7	0.12
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	7	0.12
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	7	0.12
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	10	0.12
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	10	0.12
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	20	0.12
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	20	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	7	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	7	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	10	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	10	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	20	0.12
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	20	0.12
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	2	0.12
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	2	0.12
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	2	0.12
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	2	0.12
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	2	0.12
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	2	0.12
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	2	0.12
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	2	0.12
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	2	0.12
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	2	0.12
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	2	0.12
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	2	0.12
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	9	0.12
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	9	0.12
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	9	0.12
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	9	0.12
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	9	0.12
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	9	0.12
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	9	0.12
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	9	0.12
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	9	0.12
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	9	0.12
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	9	0.12
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	9	0.12
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	18	0.12
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	18	0.12
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	18	0.12
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	18	0.12
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	18	0.12
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	18	0.12
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	18	0.12
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	18	0.12
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	18	0.12
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	18	0.12
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	18	0.12
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	2	0.12
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	2	0.12
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	2	0.12
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	2	0.12
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	2	0.12
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	2	0.12
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	2	0.12
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	2	0.12
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	2	0.12
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	2	0.12
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	2	0.12
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	2	0.12
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	9	0.12
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	9	0.12
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	9	0.12
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	9	0.12
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	9	0.12
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	9	0.12
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	9	0.12
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	9	0.12
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	9	0.12
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	9	0.12
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	9	0.12
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	9	0.12
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	18	0.12
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	18	0.12
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	18	0.12
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	18	0.12
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	18	0.12
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	18	0.12
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	18	0.12
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	18	0.12
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	18	0.12
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	18	0.12
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	18	0.12
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	19	0.12
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	19	0.12
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	19	0.12
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	19	0.12
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	19	0.12
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	19	0.12
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	19	0.12
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	19	0.12
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	19	0.12
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	19	0.12
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	19	0.12
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	19	0.12
(4,1149)	1:143:A:SER:HB2	1:143:A:SER:HA	8	0.12
(4,1149)	1:143:A:SER:HB3	1:143:A:SER:HA	8	0.12
(4,1149)	1:143:A:SER:HB2	1:143:A:SER:HA	18	0.12
(4,1149)	1:143:A:SER:HB3	1:143:A:SER:HA	18	0.12
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB2	8	0.12
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB3	8	0.12
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB2	18	0.12
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB3	18	0.12
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	2	0.12
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	3	0.12
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	16	0.12
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	2	0.12
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	3	0.12
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	16	0.12
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	1	0.12
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	1	0.12
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	5	0.12
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	5	0.12
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	9	0.12
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	9	0.12
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	1	0.12
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	1	0.12
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	5	0.12
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	5	0.12
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	9	0.12
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	9	0.12
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	1	0.12
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	1	0.12
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	5	0.12
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	9	0.12
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	9	0.12
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	1	0.12
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	1	0.12
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	5	0.12
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	5	0.12
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	9	0.12
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	9	0.12
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	12	0.12
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	12	0.12
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	12	0.12
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	1	0.12
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	1	0.12
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	9	0.12
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	9	0.12
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG2	6	0.12
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG3	6	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD11	9	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD12	9	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD13	9	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD11	18	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD12	18	0.12
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD13	18	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	2	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	2	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	2	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	2	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	2	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	2	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	2	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	2	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	2	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	4	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	4	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	4	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	4	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	4	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	4	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	4	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	4	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	4	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	7	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	7	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	7	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	7	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	7	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	7	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	7	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	7	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	9	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	9	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	9	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	9	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	9	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	9	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	9	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	9	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	9	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	18	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	18	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	18	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	18	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	18	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	18	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	18	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	18	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	18	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	19	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	19	0.12
(4,1025)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	19	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	19	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	19	0.12
(4,1025)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	19	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	19	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	19	0.12
(4,1025)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	19	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	2	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	2	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	2	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	2	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	2	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	2	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	2	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	2	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	4	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	4	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	4	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	4	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	4	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	4	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	4	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	4	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	4	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	7	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	7	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	7	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	7	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	7	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	7	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	7	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	7	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	7	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	9	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	9	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	9	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	9	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	9	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	9	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	9	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	9	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	9	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	18	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	18	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	18	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	18	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	18	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	18	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	18	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	18	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	18	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	19	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	19	0.12
(4,1024)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	19	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	19	0.12
(4,1024)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	19	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	19	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	19	0.12
(4,1024)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	19	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	5	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	5	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	5	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	5	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	5	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	5	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	8	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	8	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	8	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	8	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	8	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	8	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	13	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	13	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	13	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	13	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	13	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	13	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	14	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	14	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	14	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	14	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	14	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	14	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	16	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	16	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	16	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	16	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	16	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	16	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	18	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	18	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	18	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	18	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	18	0.12
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	18	0.12
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	7	0.12
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	19	0.12
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	4	0.12
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	4	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	3	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	5	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	6	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	10	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	12	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	14	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	18	0.12
(4,997)	1:126:A:GLY:HA2	1:126:A:GLY:HA3	20	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	3	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	5	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	6	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	10	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	12	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	14	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	18	0.12
(4,996)	1:126:A:GLY:HA3	1:126:A:GLY:HA2	20	0.12
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB2	5	0.12
(4,994)	1:125:A:LEU:HD11	1:125:A:LEU:HB3	5	0.12
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB2	5	0.12
(4,994)	1:125:A:LEU:HD12	1:125:A:LEU:HB3	5	0.12
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB2	5	0.12
(4,994)	1:125:A:LEU:HD13	1:125:A:LEU:HB3	5	0.12
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB2	5	0.12
(4,994)	1:125:A:LEU:HD21	1:125:A:LEU:HB3	5	0.12
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB2	5	0.12
(4,994)	1:125:A:LEU:HD22	1:125:A:LEU:HB3	5	0.12
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB2	5	0.12
(4,994)	1:125:A:LEU:HD23	1:125:A:LEU:HB3	5	0.12
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	5	0.12
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	5	0.12
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	5	0.12
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	5	0.12
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	5	0.12
(4,993)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	5	0.12
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	5	0.12
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	5	0.12
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	5	0.12
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	5	0.12
(4,993)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	5	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	10	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	10	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	10	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	10	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	10	0.12
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	10	0.12
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	10	0.12
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	10	0.12
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	10	0.12
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	10	0.12
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	10	0.12
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	10	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	14	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	14	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	16	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	16	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	20	0.12
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	20	0.12
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	10	0.12
(4,981)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	10	0.12
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	10	0.12
(4,981)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	10	0.12
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	10	0.12
(4,981)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	10	0.12
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	10	0.12
(4,981)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	10	0.12
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	10	0.12
(4,981)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	10	0.12
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	10	0.12
(4,981)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	10	0.12
(4,976)	1:124:A:LEU:HA	1:124:A:LEU:HG	6	0.12
(4,975)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	7	0.12
(4,975)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	7	0.12
(4,975)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	7	0.12
(4,975)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	7	0.12
(4,975)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	7	0.12
(4,975)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	7	0.12
(4,975)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	7	0.12
(4,975)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	7	0.12
(4,975)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,975)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	7	0.12
(4,975)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	7	0.12
(4,975)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	7	0.12
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	10	0.12
(4,974)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	10	0.12
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	10	0.12
(4,974)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	10	0.12
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	10	0.12
(4,974)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	10	0.12
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	10	0.12
(4,974)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	10	0.12
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	10	0.12
(4,974)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	10	0.12
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	10	0.12
(4,974)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	10	0.12
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	7	0.12
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	7	0.12
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	7	0.12
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	7	0.12
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	7	0.12
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	7	0.12
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	7	0.12
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	7	0.12
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	7	0.12
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	7	0.12
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	7	0.12
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	7	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	1	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	2	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	3	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	4	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	5	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	6	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	7	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	8	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	9	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	10	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	11	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	12	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	13	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	14	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	16	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	17	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	18	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	19	0.12
(4,954)	1:119:A:HIS:HB2	1:119:A:HIS:HB3	20	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	1	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	2	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	3	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	4	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	5	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	6	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	7	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	8	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	9	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	10	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	11	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	12	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	13	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	14	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	15	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	16	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	17	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	18	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	19	0.12
(4,953)	1:119:A:HIS:HB3	1:119:A:HIS:HB2	20	0.12
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	2	0.12
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	2	0.12
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	2	0.12
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	2	0.12
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	12	0.12
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	12	0.12
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	12	0.12
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	12	0.12
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	2	0.12
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	2	0.12
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	2	0.12
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	2	0.12
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	12	0.12
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	12	0.12
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	12	0.12
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	12	0.12
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	12	0.12
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG2	13	0.12
(4,941)	1:118:A:LYS:HA	1:118:A:LYS:HG3	13	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	2	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	2	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	11	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	11	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	13	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	13	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	14	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	14	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	19	0.12
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	19	0.12
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB2	15	0.12
(4,910)	1:111:A:LEU:HG	1:111:A:LEU:HB3	15	0.12
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB2	15	0.12
(4,909)	1:111:A:LEU:HG	1:111:A:LEU:HB3	15	0.12
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	2	0.12
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	2	0.12
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	2	0.12
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	2	0.12
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	2	0.12
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	2	0.12
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	11	0.12
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	11	0.12
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	11	0.12
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	11	0.12
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	11	0.12
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	11	0.12
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB2	7	0.12
(4,877)	1:104:A:ASP:HA	1:104:A:ASP:HB3	7	0.12
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	5	0.12
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	5	0.12
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	16	0.12
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	16	0.12
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	20	0.12
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	20	0.12
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	5	0.12
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	5	0.12
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	16	0.12
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	16	0.12
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	20	0.12
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	5	0.12
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	5	0.12
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	16	0.12
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	16	0.12
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	20	0.12
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	20	0.12
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	5	0.12
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	5	0.12
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	16	0.12
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	16	0.12
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	20	0.12
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	20	0.12
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	2	0.12
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	2	0.12
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	7	0.12
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	7	0.12
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	10	0.12
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	10	0.12
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	11	0.12
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	11	0.12
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	18	0.12
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	18	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	2	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	2	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	7	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	7	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	10	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	10	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	11	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	11	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	18	0.12
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	18	0.12
(4,842)	1:97:A:ILE:HB	1:97:A:ILE:HA	6	0.12
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD11	14	0.12
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD12	14	0.12
(4,831)	1:97:A:ILE:HA	1:97:A:ILE:HD13	14	0.12
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG21	5	0.12
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG22	5	0.12
(4,827)	1:97:A:ILE:HG12	1:97:A:ILE:HG23	5	0.12
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG21	5	0.12
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG22	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,827)	1:97:A:ILE:HG13	1:97:A:ILE:HG23	5	0.12
(4,821)	1:97:A:ILE:HA	1:97:A:ILE:HB	6	0.12
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,804)	1:95:A:MET:HG2	1:95:A:MET:HA	1	0.12
(4,804)	1:95:A:MET:HG3	1:95:A:MET:HA	1	0.12
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	8	0.12
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	8	0.12
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	8	0.12
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	8	0.12
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	18	0.12
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	18	0.12
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	20	0.12
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	20	0.12
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	18	0.12
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	20	0.12
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	20	0.12
(4,772)	1:88:A:PHE:HB2	1:88:A:PHE:HA	16	0.12
(4,772)	1:88:A:PHE:HB3	1:88:A:PHE:HA	16	0.12
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB2	16	0.12
(4,771)	1:88:A:PHE:HA	1:88:A:PHE:HB3	16	0.12
(4,770)	1:88:A:PHE:HB2	1:88:A:PHE:HA	16	0.12
(4,770)	1:88:A:PHE:HB3	1:88:A:PHE:HA	16	0.12
(4,769)	1:88:A:PHE:HB2	1:88:A:PHE:HA	16	0.12
(4,769)	1:88:A:PHE:HB3	1:88:A:PHE:HA	16	0.12
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	2	0.12
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	2	0.12
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	2	0.12
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	4	0.12
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	4	0.12
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	4	0.12
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	7	0.12
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	7	0.12
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	7	0.12
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	18	0.12
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	18	0.12
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	18	0.12
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	7	0.12
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	7	0.12
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	7	0.12
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	7	0.12
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	7	0.12
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	7	0.12
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	7	0.12
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	7	0.12
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	7	0.12
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	1	0.12
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	1	0.12
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	1	0.12
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	1	0.12
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	1	0.12
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	1	0.12
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	4	0.12
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	4	0.12
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	8	0.12
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	8	0.12
(4,738)	1:85:A:PRO:HB2	1:85:A:PRO:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,738)	1:85:A:PRO:HB3	1:85:A:PRO:HA	16	0.12
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	4	0.12
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	4	0.12
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	8	0.12
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	8	0.12
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB2	16	0.12
(4,737)	1:85:A:PRO:HA	1:85:A:PRO:HB3	16	0.12
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	12	0.12
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	12	0.12
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	12	0.12
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	12	0.12
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	12	0.12
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	12	0.12
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	12	0.12
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	12	0.12
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	9	0.12
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	9	0.12
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	9	0.12
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	9	0.12
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD11	5	0.12
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD12	5	0.12
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD13	5	0.12
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	10	0.12
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	10	0.12
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	15	0.12
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	15	0.12
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB2	6	0.12
(4,678)	1:78:A:ASP:HA	1:78:A:ASP:HB3	6	0.12
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	4	0.12
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	4	0.12
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	4	0.12
(4,649)	1:76:A:LEU:HD21	1:76:A:LEU:HA	10	0.12
(4,649)	1:76:A:LEU:HD22	1:76:A:LEU:HA	10	0.12
(4,649)	1:76:A:LEU:HD23	1:76:A:LEU:HA	10	0.12
(4,543)	1:52:A:LEU:HA	1:52:A:LEU:HG	14	0.12
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	2	0.12
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	2	0.12
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	2	0.12
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	2	0.12
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	2	0.12
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	2	0.12
(4,527)	1:52:A:LEU:HG	1:52:A:LEU:HA	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	18	0.12
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	18	0.12
(4,519)	1:50:A:ARG:HG2	1:50:A:ARG:HA	19	0.12
(4,519)	1:50:A:ARG:HG3	1:50:A:ARG:HA	19	0.12
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	15	0.12
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	15	0.12
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	1	0.12
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	1	0.12
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	1	0.12
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	1	0.12
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	1	0.12
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	1	0.12
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	7	0.12
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	7	0.12
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	7	0.12
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	7	0.12
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	7	0.12
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	7	0.12
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	13	0.12
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	13	0.12
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	13	0.12
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	13	0.12
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	13	0.12
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	13	0.12
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	14	0.12
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	14	0.12
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	14	0.12
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	14	0.12
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	14	0.12
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	14	0.12
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	17	0.12
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	17	0.12
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	17	0.12
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	17	0.12
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	17	0.12
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	17	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	1	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	1	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	1	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	1	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	1	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	7	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	7	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	7	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	7	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	7	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	7	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	13	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	13	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	13	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	13	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	13	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	13	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	14	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	14	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	14	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	14	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	14	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	14	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	17	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	17	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	17	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	17	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	17	0.12
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	17	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	1	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	2	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	3	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	4	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	5	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	6	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	7	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	9	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	10	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	11	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	12	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	13	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	14	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	15	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	16	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	17	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	18	0.12
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,454)	1:35:A:LEU:HB3	1:35:A:LEU:HB2	20	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	1	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	1	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	1	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	1	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	1	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	1	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	7	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	7	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	7	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	7	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	7	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	7	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	13	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	13	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	13	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	13	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	13	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	13	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	14	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	14	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	14	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	14	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	14	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	14	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	17	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	17	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	17	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	17	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	17	0.12
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	17	0.12
(4,415)	1:32:A:TYR:HB2	1:32:A:TYR:HA	15	0.12
(4,415)	1:32:A:TYR:HB3	1:32:A:TYR:HA	15	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	8	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	8	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	9	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	9	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	10	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	10	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	11	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	11	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	14	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	15	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	15	0.12
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	19	0.12
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	19	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	8	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	8	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	9	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	9	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	10	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	10	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	11	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	11	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	14	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	14	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	15	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	15	0.12
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	19	0.12
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	19	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	3	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	5	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	6	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	7	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	8	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	9	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	12	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	13	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	14	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	17	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	18	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	19	0.12
(4,368)	1:29:A:ILE:HG12	1:29:A:ILE:HG13	20	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	3	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	5	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	6	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	7	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	8	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	9	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	12	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	13	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	14	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	18	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	19	0.12
(4,367)	1:29:A:ILE:HG13	1:29:A:ILE:HG12	20	0.12
(4,333)	1:22:A:VAL:HA	1:25:A:THR:HA	3	0.12
(4,333)	1:22:A:VAL:HA	1:25:A:THR:HA	13	0.12
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	4	0.12
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	6	0.12
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	16	0.12
(4,328)	1:24:A:GLU:HG2	1:24:A:GLU:HA	10	0.12
(4,328)	1:24:A:GLU:HG3	1:24:A:GLU:HA	10	0.12
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	3	0.12
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	3	0.12
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	3	0.12
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	3	0.12
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG2	13	0.12
(4,323)	1:24:A:GLU:HB2	1:24:A:GLU:HG3	13	0.12
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG2	13	0.12
(4,323)	1:24:A:GLU:HB3	1:24:A:GLU:HG3	13	0.12
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	3	0.12
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	3	0.12
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	3	0.12
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	3	0.12
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB2	13	0.12
(4,322)	1:24:A:GLU:HG2	1:24:A:GLU:HB3	13	0.12
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB2	13	0.12
(4,322)	1:24:A:GLU:HG3	1:24:A:GLU:HB3	13	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	1	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	3	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	6	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	7	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	8	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	9	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	10	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	13	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	14	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	15	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	16	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	17	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	18	0.12
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	20	0.12
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG2	10	0.12
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	7	0.12
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	7	0.12
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	16	0.12
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	16	0.12
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	13	0.12
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	15	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	3	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	3	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	3	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	3	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	3	0.12
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	3	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	3	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	3	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	3	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	3	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	3	0.12
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	3	0.12
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	7	0.12
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	7	0.12
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	7	0.12
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	7	0.12
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	7	0.12
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	7	0.12
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	7	0.12
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	7	0.12
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD2	15	0.12
(4,269)	1:52:A:LEU:HD21	1:50:A:ARG:HD3	15	0.12
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD2	15	0.12
(4,269)	1:52:A:LEU:HD22	1:50:A:ARG:HD3	15	0.12
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD2	15	0.12
(4,269)	1:52:A:LEU:HD23	1:50:A:ARG:HD3	15	0.12
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	7	0.12
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	7	0.12
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	7	0.12
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	7	0.12
(4,244)	1:14:A:LYS:HG2	1:14:A:LYS:HA	5	0.12
(4,244)	1:14:A:LYS:HG3	1:14:A:LYS:HA	5	0.12
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG2	5	0.12
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG3	5	0.12
(4,193)	1:10:A:LYS:HA	1:10:A:LYS:HG2	6	0.12
(4,193)	1:10:A:LYS:HA	1:10:A:LYS:HG3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	19	0.12
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	19	0.12
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	19	0.12
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	19	0.12
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	19	0.12
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	19	0.12
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	19	0.12
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	19	0.12
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	19	0.12
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	19	0.12
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	19	0.12
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	19	0.12
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG2	9	0.12
(4,122)	1:19:A:ASP:HB2	1:23:A:ARG:HG3	9	0.12
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG2	9	0.12
(4,122)	1:19:A:ASP:HB3	1:23:A:ARG:HG3	9	0.12
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD2	15	0.12
(4,110)	1:50:A:ARG:HB2	1:50:A:ARG:HD3	15	0.12
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD2	15	0.12
(4,110)	1:50:A:ARG:HB3	1:50:A:ARG:HD3	15	0.12
(4,101)	1:15:A:TYR:HE1	1:76:A:LEU:HG	8	0.12
(4,101)	1:15:A:TYR:HE2	1:76:A:LEU:HG	8	0.12
(4,77)	1:16:A:LYS:HB2	1:79:A:THR:HA	8	0.12
(4,77)	1:16:A:LYS:HB3	1:79:A:THR:HA	8	0.12
(4,48)	1:61:A:VAL:HG11	1:136:A:GLY:HA2	2	0.12
(4,48)	1:61:A:VAL:HG11	1:136:A:GLY:HA3	2	0.12
(4,48)	1:61:A:VAL:HG12	1:136:A:GLY:HA2	2	0.12
(4,48)	1:61:A:VAL:HG12	1:136:A:GLY:HA3	2	0.12
(4,48)	1:61:A:VAL:HG13	1:136:A:GLY:HA2	2	0.12
(4,48)	1:61:A:VAL:HG13	1:136:A:GLY:HA3	2	0.12
(4,48)	1:61:A:VAL:HG21	1:136:A:GLY:HA2	2	0.12
(4,48)	1:61:A:VAL:HG21	1:136:A:GLY:HA3	2	0.12
(4,48)	1:61:A:VAL:HG22	1:136:A:GLY:HA2	2	0.12
(4,48)	1:61:A:VAL:HG22	1:136:A:GLY:HA3	2	0.12
(4,48)	1:61:A:VAL:HG23	1:136:A:GLY:HA2	2	0.12
(4,48)	1:61:A:VAL:HG23	1:136:A:GLY:HA3	2	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	5	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	5	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	5	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	5	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	5	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	5	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	5	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	5	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	5	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	5	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	5	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	7	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	7	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	7	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	7	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	7	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	7	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	7	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	7	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	7	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	7	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	7	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	7	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	15	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	15	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	15	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	15	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	15	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	15	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	15	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	15	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	15	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	15	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	15	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	15	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	17	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	17	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	17	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	17	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	17	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	17	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	17	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	17	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	17	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	17	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	17	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	18	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	18	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	18	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	18	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	18	0.12
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	18	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	18	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	18	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	18	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	18	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	18	0.12
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	18	0.12
(4,29)	1:96:A:THR:HG21	1:144:A:ARG:HD2	11	0.12
(4,29)	1:96:A:THR:HG21	1:144:A:ARG:HD3	11	0.12
(4,29)	1:96:A:THR:HG22	1:144:A:ARG:HD2	11	0.12
(4,29)	1:96:A:THR:HG22	1:144:A:ARG:HD3	11	0.12
(4,29)	1:96:A:THR:HG23	1:144:A:ARG:HD2	11	0.12
(4,29)	1:96:A:THR:HG23	1:144:A:ARG:HD3	11	0.12
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD11	20	0.12
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD12	20	0.12
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD13	20	0.12
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD21	20	0.12
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD22	20	0.12
(4,22)	1:124:A:LEU:HD11	1:125:A:LEU:HD23	20	0.12
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD11	20	0.12
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD12	20	0.12
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD13	20	0.12
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD21	20	0.12
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD22	20	0.12
(4,22)	1:124:A:LEU:HD12	1:125:A:LEU:HD23	20	0.12
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD11	20	0.12
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD12	20	0.12
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD13	20	0.12
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD21	20	0.12
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD22	20	0.12
(4,22)	1:124:A:LEU:HD13	1:125:A:LEU:HD23	20	0.12
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD11	20	0.12
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD12	20	0.12
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD13	20	0.12
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD21	20	0.12
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD22	20	0.12
(4,22)	1:124:A:LEU:HD21	1:125:A:LEU:HD23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD11	20	0.12
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD12	20	0.12
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD13	20	0.12
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD21	20	0.12
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD22	20	0.12
(4,22)	1:124:A:LEU:HD22	1:125:A:LEU:HD23	20	0.12
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD11	20	0.12
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD12	20	0.12
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD13	20	0.12
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD21	20	0.12
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD22	20	0.12
(4,22)	1:124:A:LEU:HD23	1:125:A:LEU:HD23	20	0.12
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD2	3	0.12
(4,18)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	3	0.12
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD2	3	0.12
(4,18)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	3	0.12
(3,2)	1:123:A:ASP:OD1	1:125:A:LEU:H	7	0.12
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	11	0.12
(1,62)	1:75:A:TRP:O	1:86:A:ILE:N	15	0.12
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	9	0.12
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	13	0.12
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	17	0.12
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	20	0.12
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	1	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	2	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	3	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	6	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	7	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	8	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	10	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	11	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	12	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	14	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	15	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	16	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	17	0.11
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	20	0.11
(8,76)	1:42:A:TYR:HD1	1:75:A:TRP:HH2	7	0.11
(8,76)	1:42:A:TYR:HD2	1:75:A:TRP:HH2	7	0.11
(8,76)	1:42:A:TYR:HD1	1:75:A:TRP:HH2	11	0.11
(8,76)	1:42:A:TYR:HD2	1:75:A:TRP:HH2	11	0.11
(8,75)	1:88:A:PHE:HD1	1:75:A:TRP:HD1	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,75)	1:88:A:PHE:HD2	1:75:A:TRP:HD1	6	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	1	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	2	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	3	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	4	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	5	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	6	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	7	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	8	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	9	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	10	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	11	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	12	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	13	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	14	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	15	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	16	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	17	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	18	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	19	0.11
(8,73)	1:117:A:TRP:HH2	1:117:A:TRP:HZ2	20	0.11
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE21	8	0.11
(8,62)	1:117:A:TRP:HD1	1:121:A:GLN:HE22	8	0.11
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	7	0.11
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	7	0.11
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	7	0.11
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	7	0.11
(8,48)	1:82:A:TYR:HE1	1:119:A:HIS:HD2	15	0.11
(8,48)	1:82:A:TYR:HE2	1:119:A:HIS:HD2	15	0.11
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE1	17	0.11
(8,30)	1:82:A:TYR:HE1	1:17:A:TYR:HE2	17	0.11
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE1	17	0.11
(8,30)	1:82:A:TYR:HE2	1:17:A:TYR:HE2	17	0.11
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	2	0.11
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	2	0.11
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	2	0.11
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	2	0.11
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	15	0.11
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	15	0.11
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	15	0.11
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	15	0.11
(8,1)	1:82:A:TYR:HE1	1:119:A:HIS:HE1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,1)	1:82:A:TYR:HE2	1:119:A:HIS:HE1	9	0.11
(8,1)	1:82:A:TYR:HE1	1:119:A:HIS:HE1	15	0.11
(8,1)	1:82:A:TYR:HE2	1:119:A:HIS:HE1	15	0.11
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	2	0.11
(6,1362)	1:95:A:MET:H	1:143:A:SER:HA	20	0.11
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	16	0.11
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB2	20	0.11
(6,1329)	1:42:A:TYR:H	1:42:A:TYR:HB3	20	0.11
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	6	0.11
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	2	0.11
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	2	0.11
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	2	0.11
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	2	0.11
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	12	0.11
(6,1313)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	12	0.11
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	12	0.11
(6,1313)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	12	0.11
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	12	0.11
(6,1312)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	12	0.11
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	12	0.11
(6,1312)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	12	0.11
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD21	12	0.11
(6,1311)	1:69:A:ASN:HB2	1:69:A:ASN:HD22	12	0.11
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD21	12	0.11
(6,1311)	1:69:A:ASN:HB3	1:69:A:ASN:HD22	12	0.11
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	4	0.11
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	4	0.11
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	4	0.11
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	4	0.11
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE21	17	0.11
(6,1300)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	17	0.11
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE21	17	0.11
(6,1300)	1:129:A:GLN:HG3	1:129:A:GLN:HE22	17	0.11
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	8	0.11
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	8	0.11
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	12	0.11
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	12	0.11
(6,1280)	1:66:A:ASN:HD21	1:66:A:ASN:H	13	0.11
(6,1280)	1:66:A:ASN:HD22	1:66:A:ASN:H	13	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	5	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	5	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	5	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	10	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	10	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	10	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	10	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	12	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	12	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	12	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	12	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	13	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	13	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	13	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	13	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	14	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	14	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	14	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	14	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	20	0.11
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	20	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	20	0.11
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	20	0.11
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	10	0.11
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	10	0.11
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	16	0.11
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	16	0.11
(6,1256)	1:98:A:LYS:HD2	1:99:A:THR:H	10	0.11
(6,1256)	1:98:A:LYS:HD3	1:99:A:THR:H	10	0.11
(6,1246)	1:45:A:ASN:HB2	1:46:A:ASP:H	15	0.11
(6,1246)	1:45:A:ASN:HB3	1:46:A:ASP:H	15	0.11
(6,1245)	1:10:A:LYS:HD2	1:10:A:LYS:H	17	0.11
(6,1245)	1:10:A:LYS:HD3	1:10:A:LYS:H	17	0.11
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	9	0.11
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	9	0.11
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	9	0.11
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	9	0.11
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	9	0.11
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	9	0.11
(6,1244)	1:22:A:VAL:HG11	1:10:A:LYS:H	13	0.11
(6,1244)	1:22:A:VAL:HG12	1:10:A:LYS:H	13	0.11
(6,1244)	1:22:A:VAL:HG13	1:10:A:LYS:H	13	0.11
(6,1244)	1:22:A:VAL:HG21	1:10:A:LYS:H	13	0.11
(6,1244)	1:22:A:VAL:HG22	1:10:A:LYS:H	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1244)	1:22:A:VAL:HG23	1:10:A:LYS:H	13	0.11
(6,1237)	1:22:A:VAL:HG11	1:13:A:SER:H	3	0.11
(6,1237)	1:22:A:VAL:HG12	1:13:A:SER:H	3	0.11
(6,1237)	1:22:A:VAL:HG13	1:13:A:SER:H	3	0.11
(6,1237)	1:22:A:VAL:HG21	1:13:A:SER:H	3	0.11
(6,1237)	1:22:A:VAL:HG22	1:13:A:SER:H	3	0.11
(6,1237)	1:22:A:VAL:HG23	1:13:A:SER:H	3	0.11
(6,1225)	1:83:A:ASN:HB2	1:80:A:TYR:H	19	0.11
(6,1225)	1:83:A:ASN:HB3	1:80:A:TYR:H	19	0.11
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	2	0.11
(6,1223)	1:77:A:LEU:HG	1:80:A:TYR:H	6	0.11
(6,1220)	1:77:A:LEU:H	1:77:A:LEU:HD11	1	0.11
(6,1220)	1:77:A:LEU:H	1:77:A:LEU:HD12	1	0.11
(6,1220)	1:77:A:LEU:H	1:77:A:LEU:HD13	1	0.11
(6,1220)	1:77:A:LEU:H	1:77:A:LEU:HD21	1	0.11
(6,1220)	1:77:A:LEU:H	1:77:A:LEU:HD22	1	0.11
(6,1220)	1:77:A:LEU:H	1:77:A:LEU:HD23	1	0.11
(6,1196)	1:38:A:VAL:HG11	1:56:A:THR:H	8	0.11
(6,1196)	1:38:A:VAL:HG12	1:56:A:THR:H	8	0.11
(6,1196)	1:38:A:VAL:HG13	1:56:A:THR:H	8	0.11
(6,1196)	1:38:A:VAL:HG21	1:56:A:THR:H	8	0.11
(6,1196)	1:38:A:VAL:HG22	1:56:A:THR:H	8	0.11
(6,1196)	1:38:A:VAL:HG23	1:56:A:THR:H	8	0.11
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB2	9	0.11
(6,1193)	1:54:A:ASN:H	1:54:A:ASN:HB3	9	0.11
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	4	0.11
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	4	0.11
(6,1191)	1:39:A:LEU:HD11	1:53:A:MET:H	19	0.11
(6,1191)	1:39:A:LEU:HD12	1:53:A:MET:H	19	0.11
(6,1191)	1:39:A:LEU:HD13	1:53:A:MET:H	19	0.11
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	5	0.11
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	6	0.11
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	14	0.11
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	17	0.11
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	19	0.11
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	5	0.11
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	5	0.11
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	5	0.11
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	5	0.11
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	5	0.11
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	5	0.11
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	8	0.11
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	8	0.11
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	8	0.11
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	8	0.11
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	8	0.11
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	4	0.11
(6,1185)	1:43:A:VAL:HB	1:43:A:VAL:H	11	0.11
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	1	0.11
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	1	0.11
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	1	0.11
(6,1160)	1:54:A:ASN:H	1:38:A:VAL:HB	16	0.11
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	8	0.11
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	14	0.11
(6,1137)	1:23:A:ARG:HB2	1:25:A:THR:H	18	0.11
(6,1137)	1:23:A:ARG:HB3	1:25:A:THR:H	18	0.11
(6,1135)	1:24:A:GLU:HB2	1:25:A:THR:H	6	0.11
(6,1135)	1:24:A:GLU:HB3	1:25:A:THR:H	6	0.11
(6,1135)	1:24:A:GLU:HB2	1:25:A:THR:H	17	0.11
(6,1135)	1:24:A:GLU:HB3	1:25:A:THR:H	17	0.11
(6,1135)	1:24:A:GLU:HB2	1:25:A:THR:H	18	0.11
(6,1135)	1:24:A:GLU:HB3	1:25:A:THR:H	18	0.11
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	1	0.11
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	3	0.11
(6,1125)	1:25:A:THR:HG1	1:26:A:VAL:H	7	0.11
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	1	0.11
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	1	0.11
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	1	0.11
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	5	0.11
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	5	0.11
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	5	0.11
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	14	0.11
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	14	0.11
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	14	0.11
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	14	0.11
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	14	0.11
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	14	0.11
(6,1100)	1:124:A:LEU:HD11	1:28:A:VAL:H	15	0.11
(6,1100)	1:124:A:LEU:HD12	1:28:A:VAL:H	15	0.11
(6,1100)	1:124:A:LEU:HD13	1:28:A:VAL:H	15	0.11
(6,1100)	1:124:A:LEU:HD21	1:28:A:VAL:H	15	0.11
(6,1100)	1:124:A:LEU:HD22	1:28:A:VAL:H	15	0.11
(6,1100)	1:124:A:LEU:HD23	1:28:A:VAL:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1076)	1:33:A:LYS:H	1:31:A:LEU:H	14	0.11
(6,1071)	1:29:A:ILE:HA	1:31:A:LEU:H	11	0.11
(6,1071)	1:29:A:ILE:HA	1:31:A:LEU:H	20	0.11
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	7	0.11
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	9	0.11
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	13	0.11
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	15	0.11
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	10	0.11
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	10	0.11
(6,1008)	1:38:A:VAL:HG11	1:39:A:LEU:H	7	0.11
(6,1008)	1:38:A:VAL:HG12	1:39:A:LEU:H	7	0.11
(6,1008)	1:38:A:VAL:HG13	1:39:A:LEU:H	7	0.11
(6,1008)	1:38:A:VAL:HG21	1:39:A:LEU:H	7	0.11
(6,1008)	1:38:A:VAL:HG22	1:39:A:LEU:H	7	0.11
(6,1008)	1:38:A:VAL:HG23	1:39:A:LEU:H	7	0.11
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	6	0.11
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	6	0.11
(6,997)	1:50:A:ARG:H	1:42:A:TYR:H	14	0.11
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	2	0.11
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	2	0.11
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	2	0.11
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	2	0.11
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	2	0.11
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	2	0.11
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	9	0.11
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	9	0.11
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	9	0.11
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	9	0.11
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	9	0.11
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	9	0.11
(6,979)	1:46:A:ASP:H	1:45:A:ASN:H	18	0.11
(6,942)	1:51:A:GLU:HG2	1:51:A:GLU:H	1	0.11
(6,942)	1:51:A:GLU:HG3	1:51:A:GLU:H	1	0.11
(6,939)	1:51:A:GLU:H	1:50:A:ARG:HA	20	0.11
(6,924)	1:39:A:LEU:HA	1:53:A:MET:H	4	0.11
(6,920)	1:52:A:LEU:HD11	1:53:A:MET:H	3	0.11
(6,920)	1:52:A:LEU:HD12	1:53:A:MET:H	3	0.11
(6,920)	1:52:A:LEU:HD13	1:53:A:MET:H	3	0.11
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	1	0.11
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	2	0.11
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	5	0.11
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	10	0.11
(6,913)	1:73:A:CYS:HA	1:55:A:LEU:H	4	0.11
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	1	0.11
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	1	0.11
(6,910)	1:55:A:LEU:HB2	1:55:A:LEU:H	12	0.11
(6,910)	1:55:A:LEU:HB3	1:55:A:LEU:H	12	0.11
(6,876)	1:67:A:THR:HA	1:63:A:TYR:H	19	0.11
(6,875)	1:65:A:GLY:H	1:63:A:TYR:H	7	0.11
(6,872)	1:64:A:ARG:HB2	1:64:A:ARG:H	6	0.11
(6,872)	1:64:A:ARG:HB3	1:64:A:ARG:H	6	0.11
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	10	0.11
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	16	0.11
(6,867)	1:64:A:ARG:HB2	1:64:A:ARG:H	6	0.11
(6,867)	1:64:A:ARG:HB3	1:64:A:ARG:H	6	0.11
(6,839)	1:58:A:THR:HG21	1:69:A:ASN:H	2	0.11
(6,839)	1:58:A:THR:HG22	1:69:A:ASN:H	2	0.11
(6,839)	1:58:A:THR:HG23	1:69:A:ASN:H	2	0.11
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	13	0.11
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	13	0.11
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	14	0.11
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	14	0.11
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	3	0.11
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	3	0.11
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	5	0.11
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	5	0.11
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB2	13	0.11
(6,812)	1:75:A:TRP:H	1:75:A:TRP:HB3	13	0.11
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	3	0.11
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	3	0.11
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	5	0.11
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	5	0.11
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB2	13	0.11
(6,811)	1:75:A:TRP:H	1:75:A:TRP:HB3	13	0.11
(6,807)	1:76:A:LEU:HB2	1:77:A:LEU:H	5	0.11
(6,807)	1:76:A:LEU:HB3	1:77:A:LEU:H	5	0.11
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	8	0.11
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	8	0.11
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	8	0.11
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	8	0.11
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	8	0.11
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	8	0.11
(6,805)	1:76:A:LEU:HD11	1:76:A:LEU:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,805)	1:76:A:LEU:HD12	1:76:A:LEU:H	9	0.11
(6,805)	1:76:A:LEU:HD13	1:76:A:LEU:H	9	0.11
(6,805)	1:76:A:LEU:HD21	1:76:A:LEU:H	9	0.11
(6,805)	1:76:A:LEU:HD22	1:76:A:LEU:H	9	0.11
(6,805)	1:76:A:LEU:HD23	1:76:A:LEU:H	9	0.11
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB2	20	0.11
(6,798)	1:77:A:LEU:H	1:76:A:LEU:HB3	20	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	12	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	12	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	12	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	12	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	12	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	12	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD11	17	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD12	17	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD13	17	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD21	17	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD22	17	0.11
(6,790)	1:79:A:THR:H	1:77:A:LEU:HD23	17	0.11
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	18	0.11
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	18	0.11
(6,724)	1:72:A:ILE:H	1:90:A:LYS:H	18	0.11
(6,720)	1:71:A:PRO:HG2	1:90:A:LYS:H	8	0.11
(6,720)	1:71:A:PRO:HG3	1:90:A:LYS:H	8	0.11
(6,718)	1:89:A:VAL:HG11	1:90:A:LYS:H	8	0.11
(6,718)	1:89:A:VAL:HG12	1:90:A:LYS:H	8	0.11
(6,718)	1:89:A:VAL:HG13	1:90:A:LYS:H	8	0.11
(6,718)	1:89:A:VAL:HG21	1:90:A:LYS:H	8	0.11
(6,718)	1:89:A:VAL:HG22	1:90:A:LYS:H	8	0.11
(6,718)	1:89:A:VAL:HG23	1:90:A:LYS:H	8	0.11
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	9	0.11
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	9	0.11
(6,697)	1:94:A:SER:HB2	1:94:A:SER:H	15	0.11
(6,697)	1:94:A:SER:HB3	1:94:A:SER:H	15	0.11
(6,685)	1:95:A:MET:HB2	1:96:A:THR:H	20	0.11
(6,685)	1:95:A:MET:HB3	1:96:A:THR:H	20	0.11
(6,675)	1:96:A:THR:HA	1:97:A:ILE:H	5	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG11	6	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG12	6	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG13	6	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG21	6	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG22	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG23	6	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG11	20	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG12	20	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG13	20	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG21	20	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG22	20	0.11
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG23	20	0.11
(6,672)	1:98:A:LYS:HB2	1:98:A:LYS:H	13	0.11
(6,672)	1:98:A:LYS:HB3	1:98:A:LYS:H	13	0.11
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB2	13	0.11
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB3	13	0.11
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	1	0.11
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	12	0.11
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	15	0.11
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	15	0.11
(6,649)	1:101:A:LYS:HB2	1:102:A:HIS:H	8	0.11
(6,649)	1:101:A:LYS:HB3	1:102:A:HIS:H	8	0.11
(6,649)	1:101:A:LYS:HB2	1:102:A:HIS:H	12	0.11
(6,649)	1:101:A:LYS:HB3	1:102:A:HIS:H	12	0.11
(6,649)	1:101:A:LYS:HB2	1:102:A:HIS:H	17	0.11
(6,649)	1:101:A:LYS:HB3	1:102:A:HIS:H	17	0.11
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	3	0.11
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	3	0.11
(6,648)	1:102:A:HIS:HB2	1:102:A:HIS:H	5	0.11
(6,648)	1:102:A:HIS:HB3	1:102:A:HIS:H	5	0.11
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	3	0.11
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	3	0.11
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB2	5	0.11
(6,647)	1:102:A:HIS:H	1:102:A:HIS:HB3	5	0.11
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	18	0.11
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	18	0.11
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	2	0.11
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	2	0.11
(6,632)	1:102:A:HIS:HB2	1:103:A:VAL:H	11	0.11
(6,632)	1:102:A:HIS:HB3	1:103:A:VAL:H	11	0.11
(6,625)	1:109:A:ILE:HA	1:104:A:ASP:H	1	0.11
(6,609)	1:104:A:ASP:HB2	1:106:A:ASN:H	2	0.11
(6,609)	1:104:A:ASP:HB3	1:106:A:ASN:H	2	0.11
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	14	0.11
(6,608)	1:106:A:ASN:H	1:108:A:LYS:HA	20	0.11
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	3	0.11
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	12	0.11
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	12	0.11
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	19	0.11
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	19	0.11
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	19	0.11
(6,600)	1:108:A:LYS:H	1:107:A:GLY:H	10	0.11
(6,584)	1:109:A:ILE:HG12	1:109:A:ILE:H	15	0.11
(6,584)	1:109:A:ILE:HG13	1:109:A:ILE:H	15	0.11
(6,579)	1:109:A:ILE:HB	1:109:A:ILE:H	4	0.11
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	14	0.11
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	14	0.11
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	14	0.11
(6,526)	1:114:A:LEU:HD11	1:115:A:HIS:H	8	0.11
(6,526)	1:114:A:LEU:HD12	1:115:A:HIS:H	8	0.11
(6,526)	1:114:A:LEU:HD13	1:115:A:HIS:H	8	0.11
(6,526)	1:114:A:LEU:HD21	1:115:A:HIS:H	8	0.11
(6,526)	1:114:A:LEU:HD22	1:115:A:HIS:H	8	0.11
(6,526)	1:114:A:LEU:HD23	1:115:A:HIS:H	8	0.11
(6,526)	1:114:A:LEU:HD11	1:115:A:HIS:H	13	0.11
(6,526)	1:114:A:LEU:HD12	1:115:A:HIS:H	13	0.11
(6,526)	1:114:A:LEU:HD13	1:115:A:HIS:H	13	0.11
(6,526)	1:114:A:LEU:HD21	1:115:A:HIS:H	13	0.11
(6,526)	1:114:A:LEU:HD22	1:115:A:HIS:H	13	0.11
(6,526)	1:114:A:LEU:HD23	1:115:A:HIS:H	13	0.11
(6,512)	1:52:A:LEU:HD11	1:78:A:ASP:H	17	0.11
(6,512)	1:52:A:LEU:HD12	1:78:A:ASP:H	17	0.11
(6,512)	1:52:A:LEU:HD13	1:78:A:ASP:H	17	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	2	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	2	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	3	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	3	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	6	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	6	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	8	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	8	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	15	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	15	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	20	0.11
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	20	0.11
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB2	16	0.11
(6,487)	1:118:A:LYS:H	1:122:A:SER:HB3	16	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	5	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	7	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	7	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	9	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	9	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	10	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	10	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB2	11	0.11
(6,474)	1:68:A:TYR:H	1:68:A:TYR:HB3	11	0.11
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	4	0.11
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	11	0.11
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	16	0.11
(6,460)	1:20:A:LEU:HG	1:20:A:LEU:H	17	0.11
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	10	0.11
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB2	19	0.11
(6,446)	1:123:A:ASP:H	1:123:A:ASP:HB3	19	0.11
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	15	0.11
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	15	0.11
(6,444)	1:113:A:TYR:HE1	1:123:A:ASP:H	20	0.11
(6,444)	1:113:A:TYR:HE2	1:123:A:ASP:H	20	0.11
(6,433)	1:124:A:LEU:HA	1:124:A:LEU:H	3	0.11
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	2	0.11
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	2	0.11
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	5	0.11
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	5	0.11
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	9	0.11
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	9	0.11
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	10	0.11
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	10	0.11
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	15	0.11
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	15	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	13	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	13	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	13	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	13	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	13	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	13	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	14	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	14	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	14	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	14	0.11
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	14	0.11
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	2	0.11
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	2	0.11
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	2	0.11
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	2	0.11
(6,321)	1:136:A:GLY:H	1:134:A:VAL:H	18	0.11
(6,308)	1:135:A:PHE:H	1:134:A:VAL:H	4	0.11
(6,301)	1:135:A:PHE:H	1:136:A:GLY:H	6	0.11
(6,301)	1:135:A:PHE:H	1:136:A:GLY:H	11	0.11
(6,290)	1:136:A:GLY:HA2	1:137:A:ASP:H	4	0.11
(6,290)	1:136:A:GLY:HA3	1:137:A:ASP:H	4	0.11
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	12	0.11
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	12	0.11
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	6	0.11
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	6	0.11
(6,272)	1:144:A:ARG:HA	1:143:A:SER:H	19	0.11
(6,246)	1:24:A:GLU:HG2	1:24:A:GLU:H	16	0.11
(6,246)	1:24:A:GLU:HG3	1:24:A:GLU:H	16	0.11
(6,225)	1:80:A:TYR:HE1	1:21:A:THR:H	8	0.11
(6,225)	1:80:A:TYR:HE2	1:21:A:THR:H	8	0.11
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	14	0.11
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	14	0.11
(6,194)	1:22:A:VAL:HB	1:19:A:ASP:H	19	0.11
(6,163)	1:16:A:LYS:HG2	1:16:A:LYS:H	17	0.11
(6,163)	1:16:A:LYS:HG3	1:16:A:LYS:H	17	0.11
(6,156)	1:15:A:TYR:HB2	1:16:A:LYS:H	2	0.11
(6,156)	1:15:A:TYR:HB3	1:16:A:LYS:H	2	0.11
(6,156)	1:15:A:TYR:HB2	1:16:A:LYS:H	12	0.11
(6,156)	1:15:A:TYR:HB3	1:16:A:LYS:H	12	0.11
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	5	0.11
(6,142)	1:12:A:VAL:H	1:15:A:TYR:H	10	0.11
(6,137)	1:14:A:LYS:HB2	1:14:A:LYS:H	10	0.11
(6,137)	1:14:A:LYS:HB3	1:14:A:LYS:H	10	0.11
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	7	0.11
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	19	0.11
(6,93)	1:11:A:MET:HG2	1:11:A:MET:H	10	0.11
(6,93)	1:11:A:MET:HG3	1:11:A:MET:H	10	0.11
(6,75)	1:7:A:GLN:HG2	1:9:A:LYS:H	6	0.11
(6,75)	1:7:A:GLN:HG3	1:9:A:LYS:H	6	0.11
(6,41)	1:5:A:GLU:HG2	1:6:A:SER:H	11	0.11
(6,41)	1:5:A:GLU:HG3	1:6:A:SER:H	11	0.11
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3183)	1:56:A:THR:HG21	1:90:A:LYS:HD3	3	0.11
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD2	3	0.11
(4,3183)	1:56:A:THR:HG22	1:90:A:LYS:HD3	3	0.11
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD2	3	0.11
(4,3183)	1:56:A:THR:HG23	1:90:A:LYS:HD3	3	0.11
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG2	18	0.11
(4,3172)	1:91:A:PRO:HD2	1:90:A:LYS:HG3	18	0.11
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG2	18	0.11
(4,3172)	1:91:A:PRO:HD3	1:90:A:LYS:HG3	18	0.11
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	1	0.11
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	1	0.11
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	11	0.11
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	11	0.11
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	16	0.11
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	16	0.11
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	17	0.11
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	17	0.11
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	14	0.11
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	14	0.11
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	14	0.11
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	14	0.11
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	5	0.11
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	5	0.11
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB2	14	0.11
(4,3159)	1:37:A:PRO:HA	1:55:A:LEU:HB3	14	0.11
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD21	14	0.11
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD22	14	0.11
(4,3150)	1:37:A:PRO:HA	1:55:A:LEU:HD23	14	0.11
(4,3142)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	17	0.11
(4,3142)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	17	0.11
(4,3142)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	17	0.11
(4,3142)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	17	0.11
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD2	9	0.11
(4,3136)	1:108:A:LYS:HG2	1:108:A:LYS:HD3	9	0.11
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD2	9	0.11
(4,3136)	1:108:A:LYS:HG3	1:108:A:LYS:HD3	9	0.11
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG21	18	0.11
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG22	18	0.11
(4,3134)	1:90:A:LYS:HE2	1:56:A:THR:HG23	18	0.11
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG21	18	0.11
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG22	18	0.11
(4,3134)	1:90:A:LYS:HE3	1:56:A:THR:HG23	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	12	0.11
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	12	0.11
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	12	0.11
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	12	0.11
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	20	0.11
(4,3130)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	20	0.11
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	20	0.11
(4,3130)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	20	0.11
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	12	0.11
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	12	0.11
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	12	0.11
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	12	0.11
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	20	0.11
(4,3129)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	20	0.11
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	20	0.11
(4,3129)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	20	0.11
(4,3128)	1:108:A:LYS:HG2	1:108:A:LYS:HE2	17	0.11
(4,3128)	1:108:A:LYS:HG2	1:108:A:LYS:HE3	17	0.11
(4,3128)	1:108:A:LYS:HG3	1:108:A:LYS:HE2	17	0.11
(4,3128)	1:108:A:LYS:HG3	1:108:A:LYS:HE3	17	0.11
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	12	0.11
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	12	0.11
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	12	0.11
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	12	0.11
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG2	20	0.11
(4,3127)	1:108:A:LYS:HE2	1:108:A:LYS:HG3	20	0.11
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG2	20	0.11
(4,3127)	1:108:A:LYS:HE3	1:108:A:LYS:HG3	20	0.11
(4,3117)	1:101:A:LYS:HE2	1:101:A:LYS:HG3	18	0.11
(4,3117)	1:101:A:LYS:HE3	1:101:A:LYS:HG3	18	0.11
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	3	0.11
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	3	0.11
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	8	0.11
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	8	0.11
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	11	0.11
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	11	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	4	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	4	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	4	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	4	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	8	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	8	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	8	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	9	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	9	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	9	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	9	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	12	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	12	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	12	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	12	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	14	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	14	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	14	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	14	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	18	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	18	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	18	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	18	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	19	0.11
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	19	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	19	0.11
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	19	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	4	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	4	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	4	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	4	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	8	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	8	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	8	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	8	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	9	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	9	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	9	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	9	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	12	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	12	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	12	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	12	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	14	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	14	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	14	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	18	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	18	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	18	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	18	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	19	0.11
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	19	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	19	0.11
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	19	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	4	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	4	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	4	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	4	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	8	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	8	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	8	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	8	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	9	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	9	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	9	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	9	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	12	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	12	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	12	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	12	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	14	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	14	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	14	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	14	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	18	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	18	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	18	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	18	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	19	0.11
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	19	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	19	0.11
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	19	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	4	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	4	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	4	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	4	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	8	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	8	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	8	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	9	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	9	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	9	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	9	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	12	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	12	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	12	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	12	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	14	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	14	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	14	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	14	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	18	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	18	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	18	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	18	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	19	0.11
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	19	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	19	0.11
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	19	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD11	1	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD12	1	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD13	1	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD11	1	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD12	1	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD13	1	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD11	8	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD12	8	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD13	8	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD11	8	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD12	8	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD13	8	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD11	19	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD12	19	0.11
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD13	19	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD11	19	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD12	19	0.11
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD13	19	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD2	1	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD2	1	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD3	1	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD2	1	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD3	1	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD2	8	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD3	8	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD2	8	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD3	8	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD2	8	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD3	8	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD2	19	0.11
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD3	19	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD2	19	0.11
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD3	19	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD2	19	0.11
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD3	19	0.11
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	2	0.11
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	2	0.11
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	14	0.11
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	14	0.11
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	2	0.11
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	2	0.11
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	2	0.11
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	2	0.11
(4,3007)	1:20:A:LEU:HD11	1:81:A:PRO:HA	7	0.11
(4,3007)	1:20:A:LEU:HD12	1:81:A:PRO:HA	7	0.11
(4,3007)	1:20:A:LEU:HD13	1:81:A:PRO:HA	7	0.11
(4,3007)	1:20:A:LEU:HD21	1:81:A:PRO:HA	7	0.11
(4,3007)	1:20:A:LEU:HD22	1:81:A:PRO:HA	7	0.11
(4,3007)	1:20:A:LEU:HD23	1:81:A:PRO:HA	7	0.11
(4,3006)	1:20:A:LEU:HD11	1:81:A:PRO:HA	7	0.11
(4,3006)	1:20:A:LEU:HD12	1:81:A:PRO:HA	7	0.11
(4,3006)	1:20:A:LEU:HD13	1:81:A:PRO:HA	7	0.11
(4,3006)	1:20:A:LEU:HD21	1:81:A:PRO:HA	7	0.11
(4,3006)	1:20:A:LEU:HD22	1:81:A:PRO:HA	7	0.11
(4,3006)	1:20:A:LEU:HD23	1:81:A:PRO:HA	7	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	1	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	1	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	1	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	1	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	2	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	2	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	2	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	3	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	3	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	3	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	3	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	4	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	4	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	4	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	4	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	5	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	5	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	5	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	5	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	6	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	6	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	6	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	6	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	7	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	7	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	7	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	7	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	8	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	8	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	8	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	8	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	9	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	9	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	9	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	9	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	10	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	10	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	10	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	10	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	11	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	11	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	11	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	11	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	12	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	12	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	12	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	15	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	15	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	15	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	15	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	16	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	16	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	16	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	16	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	17	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	17	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	17	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	17	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	18	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	18	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	18	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	18	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	20	0.11
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	20	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	20	0.11
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	20	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	1	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	1	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	1	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	1	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	2	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	2	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	2	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	2	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	3	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	3	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	3	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	3	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	4	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	4	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	4	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	4	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	5	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	5	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	5	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	5	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	6	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	6	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	6	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	7	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	7	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	7	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	7	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	8	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	8	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	8	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	8	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	9	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	9	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	9	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	9	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	10	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	10	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	10	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	10	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	11	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	11	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	11	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	11	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	12	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	12	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	12	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	12	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	15	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	15	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	15	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	15	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	16	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	16	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	16	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	16	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	17	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	17	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	17	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	17	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	18	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	18	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	18	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	20	0.11
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	20	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	20	0.11
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	20	0.11
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	6	0.11
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	8	0.11
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	14	0.11
(4,2972)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	15	0.11
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	6	0.11
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	8	0.11
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	14	0.11
(4,2971)	1:140:A:PRO:HB3	1:140:A:PRO:HD3	15	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	1	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	1	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	1	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	1	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	2	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	2	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	2	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	2	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	3	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	3	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	3	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	3	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	4	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	4	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	4	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	4	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	5	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	5	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	5	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	5	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	6	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	6	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	6	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	6	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	7	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	7	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	7	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	7	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	8	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	8	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	8	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	9	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	9	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	9	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	9	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	10	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	10	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	10	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	10	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	11	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	11	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	11	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	11	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	12	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	12	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	12	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	12	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	15	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	15	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	15	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	15	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	16	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	16	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	16	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	16	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	17	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	17	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	17	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	17	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	18	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	18	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	18	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	18	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	20	0.11
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	20	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	20	0.11
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	20	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	1	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	1	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	1	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	2	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	2	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	2	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	2	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	3	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	3	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	3	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	3	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	4	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	4	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	4	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	4	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	5	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	5	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	5	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	5	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	6	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	6	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	6	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	6	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	7	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	7	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	7	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	7	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	8	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	8	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	8	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	8	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	9	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	9	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	9	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	9	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	10	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	10	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	10	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	10	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	11	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	11	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	11	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	11	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	12	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	12	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	12	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	15	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	15	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	15	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	15	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	16	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	16	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	16	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	16	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	17	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	17	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	17	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	17	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	18	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	18	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	18	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	18	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	20	0.11
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	20	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	20	0.11
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	20	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	5	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	5	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	5	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	5	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	7	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	7	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	7	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	7	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	12	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	12	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	12	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	12	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	20	0.11
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	20	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	20	0.11
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	20	0.11
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD2	1	0.11
(4,2945)	1:58:A:THR:HG21	1:71:A:PRO:HD3	1	0.11
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD2	1	0.11
(4,2945)	1:58:A:THR:HG22	1:71:A:PRO:HD3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD2	1	0.11
(4,2945)	1:58:A:THR:HG23	1:71:A:PRO:HD3	1	0.11
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	4	0.11
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	4	0.11
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	4	0.11
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	4	0.11
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	4	0.11
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	4	0.11
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	5	0.11
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	5	0.11
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	5	0.11
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	5	0.11
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	5	0.11
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	5	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	1	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	1	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	3	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	3	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	4	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	4	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	5	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	5	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	6	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	6	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	7	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	7	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	9	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	9	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	10	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	10	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	12	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	12	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	13	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	13	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	15	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	15	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	17	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	17	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	18	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	18	0.11
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	20	0.11
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	1	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	1	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	3	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	3	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	4	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	4	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	5	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	5	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	6	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	6	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	7	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	7	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	9	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	9	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	10	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	10	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	12	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	12	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	13	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	13	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	15	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	15	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	17	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	17	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	18	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	18	0.11
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	20	0.11
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	20	0.11
(4,2915)	1:32:A:TYR:HE1	1:28:A:VAL:HA	2	0.11
(4,2915)	1:32:A:TYR:HE2	1:28:A:VAL:HA	2	0.11
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE1	1	0.11
(4,2912)	1:104:A:ASP:HB2	1:110:A:TYR:HE2	1	0.11
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE1	1	0.11
(4,2912)	1:104:A:ASP:HB3	1:110:A:TYR:HE2	1	0.11
(4,2902)	1:142:A:PHE:HE1	1:144:A:ARG:HA	10	0.11
(4,2902)	1:142:A:PHE:HE2	1:144:A:ARG:HA	10	0.11
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	14	0.11
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	14	0.11
(4,2894)	1:95:A:MET:HB2	1:143:A:SER:HA	14	0.11
(4,2894)	1:95:A:MET:HB3	1:143:A:SER:HA	14	0.11
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	5	0.11
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	5	0.11
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	5	0.11
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	5	0.11
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	5	0.11
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	5	0.11
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	5	0.11
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	5	0.11
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	5	0.11
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	5	0.11
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	5	0.11
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	5	0.11
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	5	0.11
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	5	0.11
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	5	0.11
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	5	0.11
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	5	0.11
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE1	8	0.11
(4,2871)	1:138:A:GLU:HA	1:63:A:TYR:HE2	8	0.11
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	2	0.11
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	2	0.11
(4,2870)	1:137:A:ASP:HB2	1:134:A:VAL:H	11	0.11
(4,2870)	1:137:A:ASP:HB3	1:134:A:VAL:H	11	0.11
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	11	0.11
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	11	0.11
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	11	0.11
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	11	0.11
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB2	17	0.11
(4,2862)	1:136:A:GLY:HA2	1:63:A:TYR:HB3	17	0.11
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB2	17	0.11
(4,2862)	1:136:A:GLY:HA3	1:63:A:TYR:HB3	17	0.11
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB2	15	0.11
(4,2859)	1:135:A:PHE:HD1	1:135:A:PHE:HB3	15	0.11
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB2	15	0.11
(4,2859)	1:135:A:PHE:HD2	1:135:A:PHE:HB3	15	0.11
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD1	15	0.11
(4,2858)	1:135:A:PHE:HB2	1:135:A:PHE:HD2	15	0.11
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD1	15	0.11
(4,2858)	1:135:A:PHE:HB3	1:135:A:PHE:HD2	15	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	2	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	2	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	2	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	2	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	2	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	2	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	2	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	2	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	2	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	2	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	2	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	10	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	10	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	10	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	10	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	10	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	10	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	10	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	10	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	10	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	10	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	10	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	10	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	17	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	17	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	17	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	17	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	17	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	17	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	17	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	17	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	17	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	17	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	17	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	17	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	18	0.11
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	18	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	18	0.11
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	18	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	18	0.11
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	18	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	18	0.11
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	18	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	18	0.11
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	18	0.11
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	18	0.11
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	9	0.11
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	9	0.11
(4,2855)	1:135:A:PHE:HD1	1:135:A:PHE:HA	15	0.11
(4,2855)	1:135:A:PHE:HD2	1:135:A:PHE:HA	15	0.11
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	3	0.11
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	3	0.11
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	3	0.11
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	5	0.11
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	5	0.11
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	5	0.11
(4,2847)	1:134:A:VAL:HG11	1:131:A:MET:HA	20	0.11
(4,2847)	1:134:A:VAL:HG12	1:131:A:MET:HA	20	0.11
(4,2847)	1:134:A:VAL:HG13	1:131:A:MET:HA	20	0.11
(4,2846)	1:134:A:VAL:HG11	1:133:A:VAL:HB	6	0.11
(4,2846)	1:134:A:VAL:HG12	1:133:A:VAL:HB	6	0.11
(4,2846)	1:134:A:VAL:HG13	1:133:A:VAL:HB	6	0.11
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG21	12	0.11
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG22	12	0.11
(4,2817)	1:129:A:GLN:H	1:132:A:ILE:HG23	12	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG21	1	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG22	1	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG23	1	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG21	1	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG22	1	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG23	1	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG21	1	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG22	1	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG23	1	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG21	6	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG22	6	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG23	6	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG21	6	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG22	6	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG23	6	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG21	6	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG22	6	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG23	6	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG21	14	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG22	14	0.11
(4,2810)	1:59:A:ILE:HD11	1:132:A:ILE:HG23	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG21	14	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG22	14	0.11
(4,2810)	1:59:A:ILE:HD12	1:132:A:ILE:HG23	14	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG21	14	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG22	14	0.11
(4,2810)	1:59:A:ILE:HD13	1:132:A:ILE:HG23	14	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	4	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	4	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	4	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	4	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	4	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	4	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	9	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	9	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	9	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	9	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	9	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	9	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	10	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	10	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	10	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	10	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	10	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	10	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	13	0.11
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	13	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	13	0.11
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	13	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	13	0.11
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	13	0.11
(4,2788)	1:132:A:ILE:HA	1:61:A:VAL:HB	2	0.11
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE1	6	0.11
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE2	6	0.11
(4,2783)	1:131:A:MET:H	1:131:A:MET:HE3	6	0.11
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	2	0.11
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	2	0.11
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	2	0.11
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	2	0.11
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	2	0.11
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	2	0.11
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	2	0.11
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	2	0.11
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	8	0.11
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	8	0.11
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	8	0.11
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	8	0.11
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	8	0.11
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	8	0.11
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	8	0.11
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	8	0.11
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	8	0.11
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	1	0.11
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	1	0.11
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	1	0.11
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	1	0.11
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	1	0.11
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	1	0.11
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	1	0.11
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	1	0.11
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	1	0.11
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	5	0.11
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	5	0.11
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	5	0.11
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	5	0.11
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	5	0.11
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	5	0.11
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	5	0.11
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	5	0.11
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	5	0.11
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD11	5	0.11
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD12	5	0.11
(4,2772)	1:131:A:MET:HE1	1:128:A:ILE:HD13	5	0.11
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD11	5	0.11
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD12	5	0.11
(4,2772)	1:131:A:MET:HE2	1:128:A:ILE:HD13	5	0.11
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD11	5	0.11
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD12	5	0.11
(4,2772)	1:131:A:MET:HE3	1:128:A:ILE:HD13	5	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG11	8	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG12	8	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG13	8	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG11	8	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG12	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG13	8	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG11	9	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG12	9	0.11
(4,2750)	1:112:A:PRO:HD2	1:130:A:VAL:HG13	9	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG11	9	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG12	9	0.11
(4,2750)	1:112:A:PRO:HD3	1:130:A:VAL:HG13	9	0.11
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	17	0.11
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	17	0.11
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	17	0.11
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	17	0.11
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	17	0.11
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	17	0.11
(4,2689)	1:74:A:LEU:HD11	1:127:A:LEU:HG	2	0.11
(4,2689)	1:74:A:LEU:HD12	1:127:A:LEU:HG	2	0.11
(4,2689)	1:74:A:LEU:HD13	1:127:A:LEU:HG	2	0.11
(4,2689)	1:74:A:LEU:HD21	1:127:A:LEU:HG	2	0.11
(4,2689)	1:74:A:LEU:HD22	1:127:A:LEU:HG	2	0.11
(4,2689)	1:74:A:LEU:HD23	1:127:A:LEU:HG	2	0.11
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD1	7	0.11
(4,2686)	1:127:A:LEU:HD11	1:113:A:TYR:HD2	7	0.11
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD1	7	0.11
(4,2686)	1:127:A:LEU:HD12	1:113:A:TYR:HD2	7	0.11
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD1	7	0.11
(4,2686)	1:127:A:LEU:HD13	1:113:A:TYR:HD2	7	0.11
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD1	7	0.11
(4,2686)	1:127:A:LEU:HD21	1:113:A:TYR:HD2	7	0.11
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD1	7	0.11
(4,2686)	1:127:A:LEU:HD22	1:113:A:TYR:HD2	7	0.11
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD1	7	0.11
(4,2686)	1:127:A:LEU:HD23	1:113:A:TYR:HD2	7	0.11
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD11	4	0.11
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD12	4	0.11
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD13	4	0.11
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD11	4	0.11
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD12	4	0.11
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD13	4	0.11
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD11	4	0.11
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD12	4	0.11
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD13	4	0.11
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD11	4	0.11
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD12	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD13	4	0.11
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD11	4	0.11
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD12	4	0.11
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD13	4	0.11
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD11	4	0.11
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD12	4	0.11
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD13	4	0.11
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD11	5	0.11
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD12	5	0.11
(4,2683)	1:127:A:LEU:HD11	1:111:A:LEU:HD13	5	0.11
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD11	5	0.11
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD12	5	0.11
(4,2683)	1:127:A:LEU:HD12	1:111:A:LEU:HD13	5	0.11
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD11	5	0.11
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD12	5	0.11
(4,2683)	1:127:A:LEU:HD13	1:111:A:LEU:HD13	5	0.11
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD11	5	0.11
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD12	5	0.11
(4,2683)	1:127:A:LEU:HD21	1:111:A:LEU:HD13	5	0.11
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD11	5	0.11
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD12	5	0.11
(4,2683)	1:127:A:LEU:HD22	1:111:A:LEU:HD13	5	0.11
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD11	5	0.11
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD12	5	0.11
(4,2683)	1:127:A:LEU:HD23	1:111:A:LEU:HD13	5	0.11
(4,2675)	1:131:A:MET:HG2	1:127:A:LEU:HG	14	0.11
(4,2675)	1:131:A:MET:HG3	1:127:A:LEU:HG	14	0.11
(4,2658)	1:127:A:LEU:HD11	1:127:A:LEU:HA	15	0.11
(4,2658)	1:127:A:LEU:HD12	1:127:A:LEU:HA	15	0.11
(4,2658)	1:127:A:LEU:HD13	1:127:A:LEU:HA	15	0.11
(4,2658)	1:127:A:LEU:HD21	1:127:A:LEU:HA	15	0.11
(4,2658)	1:127:A:LEU:HD22	1:127:A:LEU:HA	15	0.11
(4,2658)	1:127:A:LEU:HD23	1:127:A:LEU:HA	15	0.11
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB2	18	0.11
(4,2617)	1:124:A:LEU:HA	1:127:A:LEU:HB3	18	0.11
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB2	10	0.11
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB3	10	0.11
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB2	10	0.11
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB3	10	0.11
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	13	0.11
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	13	0.11
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	20	0.11
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	2	0.11
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	2	0.11
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	2	0.11
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	2	0.11
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	2	0.11
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	2	0.11
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	2	0.11
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	2	0.11
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	2	0.11
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	2	0.11
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	2	0.11
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	2	0.11
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	2	0.11
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	2	0.11
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	2	0.11
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	2	0.11
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	3	0.11
(4,2503)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	3	0.11
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	3	0.11
(4,2503)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	3	0.11
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	1	0.11
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	1	0.11
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	1	0.11
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	1	0.11
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD2	19	0.11
(4,2502)	1:111:A:LEU:HB2	1:112:A:PRO:HD3	19	0.11
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD2	19	0.11
(4,2502)	1:111:A:LEU:HB3	1:112:A:PRO:HD3	19	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	1	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	1	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	1	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	1	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	2	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	2	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	2	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	2	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	4	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	4	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	4	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	4	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	5	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	5	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	5	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	7	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	7	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	7	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	7	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	8	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	8	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	8	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	8	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	9	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	9	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	9	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	9	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	11	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	11	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	11	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	11	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	12	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	12	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	12	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	12	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	13	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	13	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	13	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	13	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	15	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	15	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	15	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	15	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	16	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	16	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	16	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	16	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	17	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	17	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	17	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	17	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	18	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	18	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	18	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	19	0.11
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	19	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	19	0.11
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	19	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	1	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	1	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	1	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	1	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	2	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	2	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	2	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	2	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	4	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	4	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	4	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	4	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	5	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	5	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	5	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	5	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	7	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	7	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	7	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	7	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	8	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	8	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	8	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	8	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	9	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	9	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	9	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	9	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	11	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	11	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	11	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	11	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	12	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	12	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	12	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	12	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	13	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	13	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	13	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	15	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	15	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	15	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	15	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	16	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	16	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	16	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	16	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	17	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	17	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	17	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	17	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	18	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	18	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	18	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	18	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	19	0.11
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	19	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	19	0.11
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	19	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB2	6	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB3	6	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB2	14	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB3	14	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB2	20	0.11
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB3	20	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	1	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	1	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	1	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	1	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	2	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	2	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	2	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	2	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	4	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	4	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	4	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	4	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	5	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	5	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	5	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	7	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	7	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	7	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	7	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	8	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	8	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	8	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	8	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	9	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	9	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	9	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	9	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	11	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	11	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	11	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	11	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	12	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	12	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	12	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	12	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	13	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	13	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	13	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	13	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	15	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	15	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	15	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	15	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	16	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	16	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	16	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	16	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	17	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	17	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	17	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	17	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	18	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	18	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	18	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	19	0.11
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	19	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	19	0.11
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	19	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	1	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	1	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	1	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	1	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	2	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	2	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	2	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	2	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	4	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	4	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	4	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	4	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	5	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	5	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	5	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	5	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	7	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	7	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	7	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	7	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	8	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	8	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	8	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	8	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	9	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	9	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	9	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	9	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	11	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	11	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	11	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	11	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	12	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	12	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	12	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	12	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	13	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	13	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	13	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	15	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	15	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	15	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	15	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	16	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	16	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	16	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	16	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	17	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	17	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	17	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	17	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	18	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	18	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	18	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	18	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	19	0.11
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	19	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	19	0.11
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	19	0.11
(4,2487)	1:112:A:PRO:HB2	1:112:A:PRO:HA	6	0.11
(4,2487)	1:112:A:PRO:HB3	1:112:A:PRO:HA	6	0.11
(4,2487)	1:112:A:PRO:HB2	1:112:A:PRO:HA	14	0.11
(4,2487)	1:112:A:PRO:HB3	1:112:A:PRO:HA	14	0.11
(4,2487)	1:112:A:PRO:HB2	1:112:A:PRO:HA	20	0.11
(4,2487)	1:112:A:PRO:HB3	1:112:A:PRO:HA	20	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	7	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	7	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	7	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	15	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	15	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	15	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD11	19	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD12	19	0.11
(4,2473)	1:132:A:ILE:H	1:132:A:ILE:HD13	19	0.11
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD11	16	0.11
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD12	16	0.11
(4,2472)	1:135:A:PHE:HD1	1:132:A:ILE:HD13	16	0.11
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD11	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD12	16	0.11
(4,2472)	1:135:A:PHE:HD2	1:132:A:ILE:HD13	16	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	3	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	3	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	3	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	3	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	3	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	3	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	6	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	6	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	6	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	6	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	6	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	6	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	9	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	9	0.11
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	9	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	9	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	9	0.11
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	9	0.11
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	9	0.11
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	9	0.11
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	9	0.11
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	9	0.11
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	9	0.11
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	9	0.11
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	14	0.11
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	14	0.11
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	14	0.11
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	14	0.11
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	14	0.11
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	14	0.11
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG21	6	0.11
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG22	6	0.11
(4,2456)	1:131:A:MET:HE1	1:109:A:ILE:HG23	6	0.11
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG21	6	0.11
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG22	6	0.11
(4,2456)	1:131:A:MET:HE2	1:109:A:ILE:HG23	6	0.11
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG21	6	0.11
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG22	6	0.11
(4,2456)	1:131:A:MET:HE3	1:109:A:ILE:HG23	6	0.11
(4,2449)	1:109:A:ILE:HG12	1:109:A:ILE:HB	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2449)	1:109:A:ILE:HG13	1:109:A:ILE:HB	12	0.11
(4,2449)	1:109:A:ILE:HG12	1:109:A:ILE:HB	14	0.11
(4,2449)	1:109:A:ILE:HG13	1:109:A:ILE:HB	14	0.11
(4,2448)	1:109:A:ILE:HG12	1:109:A:ILE:HB	12	0.11
(4,2448)	1:109:A:ILE:HG13	1:109:A:ILE:HB	12	0.11
(4,2448)	1:109:A:ILE:HG12	1:109:A:ILE:HB	14	0.11
(4,2448)	1:109:A:ILE:HG13	1:109:A:ILE:HB	14	0.11
(4,2437)	1:107:A:GLY:HA2	1:89:A:VAL:HB	3	0.11
(4,2437)	1:107:A:GLY:HA3	1:89:A:VAL:HB	3	0.11
(4,2437)	1:107:A:GLY:HA2	1:89:A:VAL:HB	18	0.11
(4,2437)	1:107:A:GLY:HA3	1:89:A:VAL:HB	18	0.11
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB1	14	0.11
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB2	14	0.11
(4,2432)	1:99:A:THR:HG21	1:105:A:ALA:HB3	14	0.11
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB1	14	0.11
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB2	14	0.11
(4,2432)	1:99:A:THR:HG22	1:105:A:ALA:HB3	14	0.11
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB1	14	0.11
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB2	14	0.11
(4,2432)	1:99:A:THR:HG23	1:105:A:ALA:HB3	14	0.11
(4,2430)	1:97:A:ILE:HG12	1:105:A:ALA:HA	9	0.11
(4,2430)	1:97:A:ILE:HG13	1:105:A:ALA:HA	9	0.11
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG21	6	0.11
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG22	6	0.11
(4,2421)	1:97:A:ILE:HB	1:103:A:VAL:HG23	6	0.11
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD1	13	0.11
(4,2412)	1:102:A:HIS:HB2	1:135:A:PHE:HD2	13	0.11
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD1	13	0.11
(4,2412)	1:102:A:HIS:HB3	1:135:A:PHE:HD2	13	0.11
(4,2411)	1:135:A:PHE:HD1	1:102:A:HIS:HB2	13	0.11
(4,2411)	1:135:A:PHE:HD1	1:102:A:HIS:HB3	13	0.11
(4,2411)	1:135:A:PHE:HD2	1:102:A:HIS:HB2	13	0.11
(4,2411)	1:135:A:PHE:HD2	1:102:A:HIS:HB3	13	0.11
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	15	0.11
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	15	0.11
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	15	0.11
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	15	0.11
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	15	0.11
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	15	0.11
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB2	17	0.11
(4,2408)	1:111:A:LEU:HD21	1:102:A:HIS:HB3	17	0.11
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2408)	1:111:A:LEU:HD22	1:102:A:HIS:HB3	17	0.11
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB2	17	0.11
(4,2408)	1:111:A:LEU:HD23	1:102:A:HIS:HB3	17	0.11
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	11	0.11
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	11	0.11
(4,2389)	1:97:A:ILE:HD11	1:89:A:VAL:HB	19	0.11
(4,2389)	1:97:A:ILE:HD12	1:89:A:VAL:HB	19	0.11
(4,2389)	1:97:A:ILE:HD13	1:89:A:VAL:HB	19	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	2	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	2	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	5	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	5	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	9	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	9	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	10	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	10	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	15	0.11
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	15	0.11
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	20	0.11
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	20	0.11
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	20	0.11
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	20	0.11
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	20	0.11
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	20	0.11
(4,2369)	1:97:A:ILE:HG12	1:96:A:THR:HA	17	0.11
(4,2369)	1:97:A:ILE:HG13	1:96:A:THR:HA	17	0.11
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE1	19	0.11
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE2	19	0.11
(4,2361)	1:143:A:SER:HB2	1:95:A:MET:HE3	19	0.11
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE1	19	0.11
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE2	19	0.11
(4,2361)	1:143:A:SER:HB3	1:95:A:MET:HE3	19	0.11
(4,2332)	1:29:A:ILE:HD11	1:37:A:PRO:HD2	11	0.11
(4,2332)	1:29:A:ILE:HD11	1:37:A:PRO:HD3	11	0.11
(4,2332)	1:29:A:ILE:HD12	1:37:A:PRO:HD2	11	0.11
(4,2332)	1:29:A:ILE:HD12	1:37:A:PRO:HD3	11	0.11
(4,2332)	1:29:A:ILE:HD13	1:37:A:PRO:HD2	11	0.11
(4,2332)	1:29:A:ILE:HD13	1:37:A:PRO:HD3	11	0.11
(4,2304)	1:109:A:ILE:HD11	1:88:A:PHE:HA	19	0.11
(4,2304)	1:109:A:ILE:HD12	1:88:A:PHE:HA	19	0.11
(4,2304)	1:109:A:ILE:HD13	1:88:A:PHE:HA	19	0.11
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	7	0.11
(4,2301)	1:88:A:PHE:HD1	1:88:A:PHE:HA	9	0.11
(4,2301)	1:88:A:PHE:HD2	1:88:A:PHE:HA	9	0.11
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	4	0.11
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	4	0.11
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	4	0.11
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	4	0.11
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	4	0.11
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	4	0.11
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	20	0.11
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	20	0.11
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	20	0.11
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	20	0.11
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	20	0.11
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	20	0.11
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	3	0.11
(4,2287)	1:74:A:LEU:HG	1:87:A:CYS:HA	3	0.11
(4,2287)	1:74:A:LEU:HG	1:87:A:CYS:HA	13	0.11
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB2	8	0.11
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB3	8	0.11
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB2	8	0.11
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB3	8	0.11
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB2	8	0.11
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB3	8	0.11
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	13	0.11
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	13	0.11
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	13	0.11
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	13	0.11
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	13	0.11
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	13	0.11
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG21	16	0.11
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG22	16	0.11
(4,2280)	1:87:A:CYS:HB2	1:86:A:ILE:HG23	16	0.11
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG21	16	0.11
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG22	16	0.11
(4,2280)	1:87:A:CYS:HB3	1:86:A:ILE:HG23	16	0.11
(4,2277)	1:88:A:PHE:HD1	1:86:A:ILE:HB	14	0.11
(4,2277)	1:88:A:PHE:HD2	1:86:A:ILE:HB	14	0.11
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	2	0.11
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	2	0.11
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	2	0.11
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	11	0.11
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	11	0.11
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	11	0.11
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	11	0.11
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB2	9	0.11
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB3	9	0.11
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB2	9	0.11
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB3	9	0.11
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB2	9	0.11
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB3	9	0.11
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB2	9	0.11
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB3	9	0.11
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB2	9	0.11
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB3	9	0.11
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB2	9	0.11
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB3	9	0.11
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB2	18	0.11
(4,2252)	1:77:A:LEU:HD11	1:83:A:ASN:HB3	18	0.11
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB2	18	0.11
(4,2252)	1:77:A:LEU:HD12	1:83:A:ASN:HB3	18	0.11
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB2	18	0.11
(4,2252)	1:77:A:LEU:HD13	1:83:A:ASN:HB3	18	0.11
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB2	18	0.11
(4,2252)	1:77:A:LEU:HD21	1:83:A:ASN:HB3	18	0.11
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB2	18	0.11
(4,2252)	1:77:A:LEU:HD22	1:83:A:ASN:HB3	18	0.11
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB2	18	0.11
(4,2252)	1:77:A:LEU:HD23	1:83:A:ASN:HB3	18	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD11	9	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD12	9	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD13	9	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD21	9	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD22	9	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD23	9	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD11	9	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD12	9	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD13	9	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD21	9	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD22	9	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD23	9	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD11	18	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD12	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD13	18	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD21	18	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD22	18	0.11
(4,2251)	1:83:A:ASN:HB2	1:77:A:LEU:HD23	18	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD11	18	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD12	18	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD13	18	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD21	18	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD22	18	0.11
(4,2251)	1:83:A:ASN:HB3	1:77:A:LEU:HD23	18	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	2	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	2	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	7	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	7	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	9	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	9	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	10	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	10	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	11	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	11	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	14	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	14	0.11
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	16	0.11
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	16	0.11
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	9	0.11
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	9	0.11
(4,2245)	1:83:A:ASN:HB2	1:82:A:TYR:HA	18	0.11
(4,2245)	1:83:A:ASN:HB3	1:82:A:TYR:HA	18	0.11
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD1	17	0.11
(4,2239)	1:80:A:TYR:HA	1:80:A:TYR:HD2	17	0.11
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	4	0.11
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	4	0.11
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	4	0.11
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	4	0.11
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	4	0.11
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	4	0.11
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	9	0.11
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	9	0.11
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	9	0.11
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	9	0.11
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	9	0.11
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD1	11	0.11
(4,2236)	1:79:A:THR:HG21	1:17:A:TYR:HD2	11	0.11
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD1	11	0.11
(4,2236)	1:79:A:THR:HG22	1:17:A:TYR:HD2	11	0.11
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD1	11	0.11
(4,2236)	1:79:A:THR:HG23	1:17:A:TYR:HD2	11	0.11
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD11	14	0.11
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD12	14	0.11
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD13	14	0.11
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD21	14	0.11
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD22	14	0.11
(4,2226)	1:79:A:THR:HG21	1:77:A:LEU:HD23	14	0.11
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD11	14	0.11
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD12	14	0.11
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD13	14	0.11
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD21	14	0.11
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD22	14	0.11
(4,2226)	1:79:A:THR:HG22	1:77:A:LEU:HD23	14	0.11
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD11	14	0.11
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD12	14	0.11
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD13	14	0.11
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD21	14	0.11
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD22	14	0.11
(4,2226)	1:79:A:THR:HG23	1:77:A:LEU:HD23	14	0.11
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	2	0.11
(4,2188)	1:77:A:LEU:H	1:77:A:LEU:HD11	1	0.11
(4,2188)	1:77:A:LEU:H	1:77:A:LEU:HD12	1	0.11
(4,2188)	1:77:A:LEU:H	1:77:A:LEU:HD13	1	0.11
(4,2188)	1:77:A:LEU:H	1:77:A:LEU:HD21	1	0.11
(4,2188)	1:77:A:LEU:H	1:77:A:LEU:HD22	1	0.11
(4,2188)	1:77:A:LEU:H	1:77:A:LEU:HD23	1	0.11
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	5	0.11
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	13	0.11
(4,2181)	1:77:A:LEU:H	1:77:A:LEU:HG	14	0.11
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE1	16	0.11
(4,2169)	1:76:A:LEU:HD11	1:15:A:TYR:HE2	16	0.11
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE1	16	0.11
(4,2169)	1:76:A:LEU:HD12	1:15:A:TYR:HE2	16	0.11
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE1	16	0.11
(4,2169)	1:76:A:LEU:HD13	1:15:A:TYR:HE2	16	0.11
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE1	16	0.11
(4,2169)	1:76:A:LEU:HD21	1:15:A:TYR:HE2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE1	16	0.11
(4,2169)	1:76:A:LEU:HD22	1:15:A:TYR:HE2	16	0.11
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE1	16	0.11
(4,2169)	1:76:A:LEU:HD23	1:15:A:TYR:HE2	16	0.11
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	6	0.11
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	6	0.11
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	6	0.11
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	6	0.11
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	6	0.11
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	6	0.11
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	6	0.11
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	6	0.11
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	6	0.11
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	6	0.11
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	6	0.11
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	6	0.11
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	7	0.11
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	7	0.11
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	7	0.11
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	7	0.11
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	7	0.11
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	7	0.11
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	7	0.11
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	7	0.11
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	7	0.11
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	7	0.11
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	7	0.11
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	7	0.11
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB2	18	0.11
(4,2146)	1:86:A:ILE:HB	1:75:A:TRP:HB3	18	0.11
(4,2129)	1:25:A:THR:HB	1:55:A:LEU:HD11	1	0.11
(4,2129)	1:25:A:THR:HB	1:55:A:LEU:HD12	1	0.11
(4,2129)	1:25:A:THR:HB	1:55:A:LEU:HD13	1	0.11
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD11	18	0.11
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD12	18	0.11
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD13	18	0.11
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD21	18	0.11
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD22	18	0.11
(4,2120)	1:11:A:MET:HB2	1:8:A:LEU:HD23	18	0.11
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD11	18	0.11
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD12	18	0.11
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD13	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD21	18	0.11
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD22	18	0.11
(4,2120)	1:11:A:MET:HB3	1:8:A:LEU:HD23	18	0.11
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB2	1	0.11
(4,2114)	1:10:A:LYS:HD2	1:11:A:MET:HB3	1	0.11
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB2	1	0.11
(4,2114)	1:10:A:LYS:HD3	1:11:A:MET:HB3	1	0.11
(4,2113)	1:75:A:TRP:H	1:74:A:LEU:HB2	17	0.11
(4,2113)	1:75:A:TRP:H	1:74:A:LEU:HB3	17	0.11
(4,2112)	1:75:A:TRP:H	1:74:A:LEU:HB2	17	0.11
(4,2112)	1:75:A:TRP:H	1:74:A:LEU:HB3	17	0.11
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB2	4	0.11
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB3	4	0.11
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB2	13	0.11
(4,2111)	1:55:A:LEU:H	1:74:A:LEU:HB3	13	0.11
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	8	0.11
(4,2104)	1:56:A:THR:HG21	1:73:A:CYS:HA	19	0.11
(4,2104)	1:56:A:THR:HG22	1:73:A:CYS:HA	19	0.11
(4,2104)	1:56:A:THR:HG23	1:73:A:CYS:HA	19	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	1	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	1	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	1	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	3	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	3	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	3	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	5	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	5	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	5	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	6	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	6	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	6	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	9	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	9	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	9	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	10	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	10	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	10	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	11	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	11	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	11	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	12	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	12	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	13	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	13	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	13	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	16	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	16	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	16	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	17	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	17	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	17	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	19	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	19	0.11
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	19	0.11
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG21	11	0.11
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG22	11	0.11
(4,2090)	1:135:A:PHE:HD1	1:72:A:ILE:HG23	11	0.11
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG21	11	0.11
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG22	11	0.11
(4,2090)	1:135:A:PHE:HD2	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	2	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	2	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	2	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	2	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	2	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	2	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	2	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	2	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	2	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	2	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	2	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	2	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	2	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	2	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	2	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	2	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	2	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	2	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	3	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	3	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	3	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	3	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	3	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	3	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	3	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	3	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	3	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	3	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	3	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	3	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	3	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	3	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	3	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	3	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	3	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	6	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	6	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	6	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	6	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	6	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	6	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	6	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	6	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	6	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	6	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	6	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	6	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	6	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	6	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	6	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	6	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	6	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	6	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	11	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	11	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	11	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	11	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	11	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	11	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	11	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	11	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	11	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	11	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	11	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	11	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG21	17	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG22	17	0.11
(4,2088)	1:35:A:LEU:HD11	1:72:A:ILE:HG23	17	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG21	17	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG22	17	0.11
(4,2088)	1:35:A:LEU:HD12	1:72:A:ILE:HG23	17	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG21	17	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG22	17	0.11
(4,2088)	1:35:A:LEU:HD13	1:72:A:ILE:HG23	17	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG21	17	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG22	17	0.11
(4,2088)	1:35:A:LEU:HD21	1:72:A:ILE:HG23	17	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG21	17	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG22	17	0.11
(4,2088)	1:35:A:LEU:HD22	1:72:A:ILE:HG23	17	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG21	17	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG22	17	0.11
(4,2088)	1:35:A:LEU:HD23	1:72:A:ILE:HG23	17	0.11
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	3	0.11
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	3	0.11
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	6	0.11
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	6	0.11
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	20	0.11
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	20	0.11
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	7	0.11
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	17	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	2	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	2	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	2	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	2	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	3	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	3	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	3	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	3	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	4	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	4	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	4	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	6	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	6	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	6	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	6	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	11	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	11	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	11	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	11	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	12	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	12	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	12	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	12	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	14	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	14	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	14	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	14	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.11
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.11
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	2	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	2	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	2	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	2	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	3	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	3	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	3	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	3	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	4	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	4	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	4	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	4	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	6	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	6	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	6	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	6	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	11	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	11	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	11	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	12	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	12	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	12	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	12	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	14	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	14	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	14	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	14	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.11
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.11
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	2	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	2	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	2	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	2	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	3	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	3	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	3	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	3	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	4	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	4	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	4	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	4	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	6	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	6	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	6	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	6	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	11	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	11	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	11	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	11	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	12	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	12	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	12	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	12	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	14	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	14	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	14	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	14	0.11
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	19	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	19	0.11
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	19	0.11
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	1	0.11
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	1	0.11
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	1	0.11
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	10	0.11
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	10	0.11
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	10	0.11
(4,2060)	1:58:A:THR:HG21	1:71:A:PRO:HA	11	0.11
(4,2060)	1:58:A:THR:HG22	1:71:A:PRO:HA	11	0.11
(4,2060)	1:58:A:THR:HG23	1:71:A:PRO:HA	11	0.11
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD11	9	0.11
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD12	9	0.11
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD13	9	0.11
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD11	9	0.11
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD12	9	0.11
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD13	9	0.11
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG21	2	0.11
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG22	2	0.11
(4,2049)	1:131:A:MET:HE1	1:70:A:ILE:HG23	2	0.11
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG21	2	0.11
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG22	2	0.11
(4,2049)	1:131:A:MET:HE2	1:70:A:ILE:HG23	2	0.11
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG21	2	0.11
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG22	2	0.11
(4,2049)	1:131:A:MET:HE3	1:70:A:ILE:HG23	2	0.11
(4,2048)	1:70:A:ILE:HG21	1:61:A:VAL:HB	17	0.11
(4,2048)	1:70:A:ILE:HG22	1:61:A:VAL:HB	17	0.11
(4,2048)	1:70:A:ILE:HG23	1:61:A:VAL:HB	17	0.11
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	19	0.11
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	19	0.11
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	5	0.11
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	5	0.11
(4,2031)	1:69:A:ASN:HB2	1:70:A:ILE:H	14	0.11
(4,2031)	1:69:A:ASN:HB3	1:70:A:ILE:H	14	0.11
(4,2030)	1:69:A:ASN:HB2	1:70:A:ILE:H	1	0.11
(4,2030)	1:69:A:ASN:HB3	1:70:A:ILE:H	1	0.11
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	8	0.11
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	8	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	2	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	2	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	2	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	2	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	2	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	5	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	5	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	5	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	5	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	5	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	5	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	8	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	8	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	8	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	8	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	8	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	8	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	9	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	9	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	9	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	9	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	9	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	9	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB2	10	0.11
(4,2005)	1:70:A:ILE:HD11	1:68:A:TYR:HB3	10	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB2	10	0.11
(4,2005)	1:70:A:ILE:HD12	1:68:A:TYR:HB3	10	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB2	10	0.11
(4,2005)	1:70:A:ILE:HD13	1:68:A:TYR:HB3	10	0.11
(4,2003)	1:68:A:TYR:HD1	1:68:A:TYR:HA	19	0.11
(4,2003)	1:68:A:TYR:HD2	1:68:A:TYR:HA	19	0.11
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD2	15	0.11
(4,1979)	1:63:A:TYR:HE1	1:64:A:ARG:HD3	15	0.11
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD2	15	0.11
(4,1979)	1:63:A:TYR:HE2	1:64:A:ARG:HD3	15	0.11
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG11	1	0.11
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG12	1	0.11
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG13	1	0.11
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG21	1	0.11
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG22	1	0.11
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG23	1	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	2	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	4	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	4	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	5	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	5	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	7	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	7	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	9	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	9	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	10	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	10	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	11	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	11	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	13	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	13	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	15	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	15	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	16	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	16	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	17	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	17	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	18	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	18	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	20	0.11
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	20	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	1	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	1	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	7	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	7	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	10	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	10	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	14	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	14	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	16	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	16	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	17	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	17	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	18	0.11
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	18	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	2	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	2	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	2	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	2	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	2	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	5	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	5	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	5	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	5	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	5	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	5	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	10	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	10	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	10	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	10	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	10	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	10	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	14	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	14	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	14	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	14	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	14	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	14	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	17	0.11
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	17	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	17	0.11
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	17	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	17	0.11
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	17	0.11
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	11	0.11
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	11	0.11
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB2	8	0.11
(4,1912)	1:67:A:THR:HG21	1:60:A:PRO:HB3	8	0.11
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB2	8	0.11
(4,1912)	1:67:A:THR:HG22	1:60:A:PRO:HB3	8	0.11
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB2	8	0.11
(4,1912)	1:67:A:THR:HG23	1:60:A:PRO:HB3	8	0.11
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG21	8	0.11
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG22	8	0.11
(4,1911)	1:60:A:PRO:HB2	1:67:A:THR:HG23	8	0.11
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG21	8	0.11
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG22	8	0.11
(4,1911)	1:60:A:PRO:HB3	1:67:A:THR:HG23	8	0.11
(4,1906)	1:69:A:ASN:HA	1:60:A:PRO:HA	3	0.11
(4,1906)	1:69:A:ASN:HA	1:60:A:PRO:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1890)	1:59:A:ILE:HD11	1:35:A:LEU:HD11	7	0.11
(4,1890)	1:59:A:ILE:HD11	1:35:A:LEU:HD12	7	0.11
(4,1890)	1:59:A:ILE:HD11	1:35:A:LEU:HD13	7	0.11
(4,1890)	1:59:A:ILE:HD11	1:35:A:LEU:HD21	7	0.11
(4,1890)	1:59:A:ILE:HD11	1:35:A:LEU:HD22	7	0.11
(4,1890)	1:59:A:ILE:HD11	1:35:A:LEU:HD23	7	0.11
(4,1890)	1:59:A:ILE:HD12	1:35:A:LEU:HD11	7	0.11
(4,1890)	1:59:A:ILE:HD12	1:35:A:LEU:HD12	7	0.11
(4,1890)	1:59:A:ILE:HD12	1:35:A:LEU:HD13	7	0.11
(4,1890)	1:59:A:ILE:HD12	1:35:A:LEU:HD21	7	0.11
(4,1890)	1:59:A:ILE:HD12	1:35:A:LEU:HD22	7	0.11
(4,1890)	1:59:A:ILE:HD12	1:35:A:LEU:HD23	7	0.11
(4,1890)	1:59:A:ILE:HD13	1:35:A:LEU:HD11	7	0.11
(4,1890)	1:59:A:ILE:HD13	1:35:A:LEU:HD12	7	0.11
(4,1890)	1:59:A:ILE:HD13	1:35:A:LEU:HD13	7	0.11
(4,1890)	1:59:A:ILE:HD13	1:35:A:LEU:HD21	7	0.11
(4,1890)	1:59:A:ILE:HD13	1:35:A:LEU:HD22	7	0.11
(4,1890)	1:59:A:ILE:HD13	1:35:A:LEU:HD23	7	0.11
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	18	0.11
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	18	0.11
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	18	0.11
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	18	0.11
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	18	0.11
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	18	0.11
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	18	0.11
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	18	0.11
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	18	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	1	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	1	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	7	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	7	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	10	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	10	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	14	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	14	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	16	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	16	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	17	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	17	0.11
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	18	0.11
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	18	0.11
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	20	0.11
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	20	0.11
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	10	0.11
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	10	0.11
(4,1863)	1:34:A:ASP:HB2	1:59:A:ILE:HA	18	0.11
(4,1863)	1:34:A:ASP:HB3	1:59:A:ILE:HA	18	0.11
(4,1862)	1:60:A:PRO:HG2	1:59:A:ILE:HA	12	0.11
(4,1862)	1:60:A:PRO:HG3	1:59:A:ILE:HA	12	0.11
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	14	0.11
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	14	0.11
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	14	0.11
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	14	0.11
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	14	0.11
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	14	0.11
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	18	0.11
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	18	0.11
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	18	0.11
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	18	0.11
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	18	0.11
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	18	0.11
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	14	0.11
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	14	0.11
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	14	0.11
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	14	0.11
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	14	0.11
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	14	0.11
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	18	0.11
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	18	0.11
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	18	0.11
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	18	0.11
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	18	0.11
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	18	0.11
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	10	0.11
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	10	0.11
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	10	0.11
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	10	0.11
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	10	0.11
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	10	0.11
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	10	0.11
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	10	0.11
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	10	0.11
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	10	0.11
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	10	0.11
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD21	18	0.11
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD22	18	0.11
(4,1813)	1:53:A:MET:HE1	1:55:A:LEU:HD23	18	0.11
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD21	18	0.11
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD22	18	0.11
(4,1813)	1:53:A:MET:HE2	1:55:A:LEU:HD23	18	0.11
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD21	18	0.11
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD22	18	0.11
(4,1813)	1:53:A:MET:HE3	1:55:A:LEU:HD23	18	0.11
(4,1791)	1:124:A:LEU:HD11	1:55:A:LEU:HG	2	0.11
(4,1791)	1:124:A:LEU:HD12	1:55:A:LEU:HG	2	0.11
(4,1791)	1:124:A:LEU:HD13	1:55:A:LEU:HG	2	0.11
(4,1791)	1:124:A:LEU:HD21	1:55:A:LEU:HG	2	0.11
(4,1791)	1:124:A:LEU:HD22	1:55:A:LEU:HG	2	0.11
(4,1791)	1:124:A:LEU:HD23	1:55:A:LEU:HG	2	0.11
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	8	0.11
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	8	0.11
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	14	0.11
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	14	0.11
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	1	0.11
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	2	0.11
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	5	0.11
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	8	0.11
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	10	0.11
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	2	0.11
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	2	0.11
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB2	16	0.11
(4,1781)	1:55:A:LEU:HA	1:55:A:LEU:HB3	16	0.11
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	1	0.11
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	3	0.11
(4,1774)	1:76:A:LEU:HA	1:54:A:ASN:HA	17	0.11
(4,1768)	1:15:A:TYR:HE1	1:52:A:LEU:HD11	16	0.11
(4,1768)	1:15:A:TYR:HE1	1:52:A:LEU:HD12	16	0.11
(4,1768)	1:15:A:TYR:HE1	1:52:A:LEU:HD13	16	0.11
(4,1768)	1:15:A:TYR:HE2	1:52:A:LEU:HD11	16	0.11
(4,1768)	1:15:A:TYR:HE2	1:52:A:LEU:HD12	16	0.11
(4,1768)	1:15:A:TYR:HE2	1:52:A:LEU:HD13	16	0.11
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD11	18	0.11
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD12	18	0.11
(4,1761)	1:102:A:HIS:HB2	1:111:A:LEU:HD13	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD11	18	0.11
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD12	18	0.11
(4,1761)	1:102:A:HIS:HB3	1:111:A:LEU:HD13	18	0.11
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG2	19	0.11
(4,1750)	1:52:A:LEU:H	1:51:A:GLU:HG3	19	0.11
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	9	0.11
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	9	0.11
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB2	17	0.11
(4,1746)	1:52:A:LEU:H	1:51:A:GLU:HB3	17	0.11
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	6	0.11
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	6	0.11
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	9	0.11
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	9	0.11
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	11	0.11
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	11	0.11
(4,1715)	1:42:A:TYR:HB2	1:42:A:TYR:HA	15	0.11
(4,1715)	1:42:A:TYR:HB3	1:42:A:TYR:HA	15	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	6	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	6	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	9	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	9	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	11	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	11	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB2	15	0.11
(4,1714)	1:42:A:TYR:HA	1:42:A:TYR:HB3	15	0.11
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	6	0.11
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	6	0.11
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	9	0.11
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	9	0.11
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	11	0.11
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	11	0.11
(4,1706)	1:42:A:TYR:HB2	1:42:A:TYR:HA	15	0.11
(4,1706)	1:42:A:TYR:HB3	1:42:A:TYR:HA	15	0.11
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	18	0.11
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	18	0.11
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	18	0.11
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	18	0.11
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	18	0.11
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	18	0.11
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	18	0.11
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	18	0.11
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	18	0.11
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	18	0.11
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	18	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	12	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	12	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	12	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	15	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	15	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	15	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	17	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	17	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	17	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	18	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	18	0.11
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	18	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	4	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	4	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	4	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	4	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	4	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	4	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	4	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	4	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	4	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	4	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	4	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	4	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	5	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	5	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	5	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	5	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	5	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	5	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	5	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	5	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	5	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	5	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	5	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	5	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	8	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	8	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	8	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	8	0.11
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	8	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	8	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	8	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	8	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	8	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	8	0.11
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	8	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	5	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	5	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	5	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	5	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	5	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	5	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	5	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	5	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	5	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	5	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	5	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	5	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	5	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	5	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	5	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	5	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	5	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	5	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	16	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	16	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	16	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	16	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	16	0.11
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	16	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	16	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	16	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	16	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	16	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	16	0.11
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	16	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	16	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	16	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	16	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	16	0.11
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	16	0.11
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB2	12	0.11
(4,1625)	1:32:A:TYR:HE1	1:32:A:TYR:HB3	12	0.11
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB2	12	0.11
(4,1625)	1:32:A:TYR:HE2	1:32:A:TYR:HB3	12	0.11
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD11	10	0.11
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD12	10	0.11
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD13	10	0.11
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD21	10	0.11
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD22	10	0.11
(4,1608)	1:32:A:TYR:HE1	1:31:A:LEU:HD23	10	0.11
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD11	10	0.11
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD12	10	0.11
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD13	10	0.11
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD21	10	0.11
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD22	10	0.11
(4,1608)	1:32:A:TYR:HE2	1:31:A:LEU:HD23	10	0.11
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	4	0.11
(4,1606)	1:125:A:LEU:HG	1:31:A:LEU:HG	8	0.11
(4,1605)	1:31:A:LEU:HB2	1:32:A:TYR:H	2	0.11
(4,1605)	1:31:A:LEU:HB3	1:32:A:TYR:H	2	0.11
(4,1604)	1:31:A:LEU:HB2	1:32:A:TYR:H	19	0.11
(4,1604)	1:31:A:LEU:HB3	1:32:A:TYR:H	19	0.11
(4,1592)	1:27:A:ASN:HA	1:30:A:THR:HB	6	0.11
(4,1592)	1:27:A:ASN:HA	1:30:A:THR:HB	15	0.11
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	2	0.11
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	2	0.11
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	2	0.11
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	2	0.11
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	2	0.11
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	2	0.11
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD11	16	0.11
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD12	16	0.11
(4,1584)	1:37:A:PRO:HB2	1:29:A:ILE:HD13	16	0.11
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD11	16	0.11
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD12	16	0.11
(4,1584)	1:37:A:PRO:HB3	1:29:A:ILE:HD13	16	0.11
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG21	15	0.11
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG22	15	0.11
(4,1578)	1:55:A:LEU:HD21	1:29:A:ILE:HG23	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG21	15	0.11
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG22	15	0.11
(4,1578)	1:55:A:LEU:HD22	1:29:A:ILE:HG23	15	0.11
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG21	15	0.11
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG22	15	0.11
(4,1578)	1:55:A:LEU:HD23	1:29:A:ILE:HG23	15	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	4	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	4	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	6	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	6	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	7	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	7	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	8	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	8	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG12	9	0.11
(4,1572)	1:26:A:VAL:HA	1:29:A:ILE:HG13	9	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	4	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	4	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	4	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	4	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	4	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	4	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	14	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	14	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	14	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	14	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	14	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	14	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG21	15	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG22	15	0.11
(4,1564)	1:32:A:TYR:HD1	1:28:A:VAL:HG23	15	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG21	15	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG22	15	0.11
(4,1564)	1:32:A:TYR:HD2	1:28:A:VAL:HG23	15	0.11
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG21	9	0.11
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG22	9	0.11
(4,1563)	1:29:A:ILE:HA	1:28:A:VAL:HG23	9	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	4	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	4	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	4	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	5	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	5	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG21	13	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG22	13	0.11
(4,1562)	1:25:A:THR:HB	1:28:A:VAL:HG23	13	0.11
(4,1556)	1:128:A:ILE:H	1:28:A:VAL:HG11	3	0.11
(4,1556)	1:128:A:ILE:H	1:28:A:VAL:HG12	3	0.11
(4,1556)	1:128:A:ILE:H	1:28:A:VAL:HG13	3	0.11
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG11	17	0.11
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG12	17	0.11
(4,1554)	1:27:A:ASN:HB2	1:28:A:VAL:HG13	17	0.11
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG11	17	0.11
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG12	17	0.11
(4,1554)	1:27:A:ASN:HB3	1:28:A:VAL:HG13	17	0.11
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	12	0.11
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	12	0.11
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	12	0.11
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	12	0.11
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	12	0.11
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	12	0.11
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	15	0.11
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	15	0.11
(4,1553)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	15	0.11
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	15	0.11
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	15	0.11
(4,1553)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	15	0.11
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	12	0.11
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	12	0.11
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	12	0.11
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	12	0.11
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	12	0.11
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	12	0.11
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG11	15	0.11
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG12	15	0.11
(4,1552)	1:124:A:LEU:HB2	1:28:A:VAL:HG13	15	0.11
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG11	15	0.11
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG12	15	0.11
(4,1552)	1:124:A:LEU:HB3	1:28:A:VAL:HG13	15	0.11
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	17	0.11
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	17	0.11
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	17	0.11
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	17	0.11
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1516)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	17	0.11
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	17	0.11
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	17	0.11
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	17	0.11
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	17	0.11
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	17	0.11
(4,1516)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	17	0.11
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG21	8	0.11
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG22	8	0.11
(4,1503)	1:37:A:PRO:HB2	1:25:A:THR:HG23	8	0.11
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG21	8	0.11
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG22	8	0.11
(4,1503)	1:37:A:PRO:HB3	1:25:A:THR:HG23	8	0.11
(4,1493)	1:25:A:THR:HB	1:55:A:LEU:HD21	7	0.11
(4,1493)	1:25:A:THR:HB	1:55:A:LEU:HD22	7	0.11
(4,1493)	1:25:A:THR:HB	1:55:A:LEU:HD23	7	0.11
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	7	0.11
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	7	0.11
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	20	0.11
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	20	0.11
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG2	16	0.11
(4,1482)	1:23:A:ARG:HG2	1:24:A:GLU:HG3	16	0.11
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG2	16	0.11
(4,1482)	1:23:A:ARG:HG3	1:24:A:GLU:HG3	16	0.11
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	11	0.11
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	11	0.11
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	11	0.11
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	11	0.11
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG11	17	0.11
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG12	17	0.11
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG13	17	0.11
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG21	17	0.11
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG22	17	0.11
(4,1467)	1:23:A:ARG:HD2	1:26:A:VAL:HG23	17	0.11
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG11	17	0.11
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG12	17	0.11
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG13	17	0.11
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG21	17	0.11
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG22	17	0.11
(4,1467)	1:23:A:ARG:HD3	1:26:A:VAL:HG23	17	0.11
(4,1465)	1:24:A:GLU:HA	1:23:A:ARG:HG2	2	0.11
(4,1465)	1:24:A:GLU:HA	1:23:A:ARG:HG3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	4	0.11
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	4	0.11
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	4	0.11
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	4	0.11
(4,1462)	1:20:A:LEU:HA	1:23:A:ARG:HB2	5	0.11
(4,1462)	1:20:A:LEU:HA	1:23:A:ARG:HB3	5	0.11
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	14	0.11
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	14	0.11
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	11	0.11
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	16	0.11
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	1	0.11
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	1	0.11
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	1	0.11
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	1	0.11
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	1	0.11
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	1	0.11
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	18	0.11
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	18	0.11
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	18	0.11
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	18	0.11
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	18	0.11
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	18	0.11
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	20	0.11
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	20	0.11
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	20	0.11
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	20	0.11
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	20	0.11
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	20	0.11
(4,1437)	1:12:A:VAL:HG11	1:21:A:THR:HB	7	0.11
(4,1437)	1:12:A:VAL:HG12	1:21:A:THR:HB	7	0.11
(4,1437)	1:12:A:VAL:HG13	1:21:A:THR:HB	7	0.11
(4,1437)	1:12:A:VAL:HG11	1:21:A:THR:HB	15	0.11
(4,1437)	1:12:A:VAL:HG12	1:21:A:THR:HB	15	0.11
(4,1437)	1:12:A:VAL:HG13	1:21:A:THR:HB	15	0.11
(4,1437)	1:12:A:VAL:HG11	1:21:A:THR:HB	16	0.11
(4,1437)	1:12:A:VAL:HG12	1:21:A:THR:HB	16	0.11
(4,1437)	1:12:A:VAL:HG13	1:21:A:THR:HB	16	0.11
(4,1429)	1:97:A:ILE:HG12	1:91:A:PRO:HG2	15	0.11
(4,1429)	1:97:A:ILE:HG12	1:91:A:PRO:HG3	15	0.11
(4,1429)	1:97:A:ILE:HG13	1:91:A:PRO:HG2	15	0.11
(4,1429)	1:97:A:ILE:HG13	1:91:A:PRO:HG3	15	0.11
(4,1427)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1427)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	3	0.11
(4,1427)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	15	0.11
(4,1427)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	15	0.11
(4,1425)	1:97:A:ILE:HG12	1:91:A:PRO:HG2	15	0.11
(4,1425)	1:97:A:ILE:HG12	1:91:A:PRO:HG3	15	0.11
(4,1425)	1:97:A:ILE:HG13	1:91:A:PRO:HG2	15	0.11
(4,1425)	1:97:A:ILE:HG13	1:91:A:PRO:HG3	15	0.11
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	13	0.11
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	13	0.11
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	13	0.11
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	13	0.11
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	13	0.11
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	13	0.11
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	13	0.11
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	13	0.11
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	13	0.11
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	13	0.11
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	13	0.11
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	13	0.11
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE1	18	0.11
(4,1416)	1:20:A:LEU:HD11	1:17:A:TYR:HE2	18	0.11
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE1	18	0.11
(4,1416)	1:20:A:LEU:HD12	1:17:A:TYR:HE2	18	0.11
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE1	18	0.11
(4,1416)	1:20:A:LEU:HD13	1:17:A:TYR:HE2	18	0.11
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE1	18	0.11
(4,1416)	1:20:A:LEU:HD21	1:17:A:TYR:HE2	18	0.11
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE1	18	0.11
(4,1416)	1:20:A:LEU:HD22	1:17:A:TYR:HE2	18	0.11
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE1	18	0.11
(4,1416)	1:20:A:LEU:HD23	1:17:A:TYR:HE2	18	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	5	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	5	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	5	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	5	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	5	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	5	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	5	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	5	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	5	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	5	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	5	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	6	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	6	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	6	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	6	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	6	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	6	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	6	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	6	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	6	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	6	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	6	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	6	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	8	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	8	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	8	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	8	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	8	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	8	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	8	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	8	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	8	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	8	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	8	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	8	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	14	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	14	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	14	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	14	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	14	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	14	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	14	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	14	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	14	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	14	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	14	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	14	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	15	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	15	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	15	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	15	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	15	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	15	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	15	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	15	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	15	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	15	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	15	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	20	0.11
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	20	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	20	0.11
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	20	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	20	0.11
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	20	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	20	0.11
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	20	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	20	0.11
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	20	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	20	0.11
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	20	0.11
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD2	2	0.11
(4,1391)	1:19:A:ASP:HB2	1:18:A:ARG:HD3	2	0.11
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD2	2	0.11
(4,1391)	1:19:A:ASP:HB3	1:18:A:ARG:HD3	2	0.11
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	4	0.11
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	4	0.11
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	4	0.11
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	4	0.11
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	4	0.11
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	4	0.11
(4,1386)	1:18:A:ARG:HG2	1:19:A:ASP:HA	8	0.11
(4,1386)	1:18:A:ARG:HG3	1:19:A:ASP:HA	8	0.11
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	2	0.11
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	2	0.11
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	2	0.11
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	2	0.11
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB2	7	0.11
(4,1365)	1:12:A:VAL:HG21	1:18:A:ARG:HB3	7	0.11
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB2	7	0.11
(4,1365)	1:12:A:VAL:HG22	1:18:A:ARG:HB3	7	0.11
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB2	7	0.11
(4,1365)	1:12:A:VAL:HG23	1:18:A:ARG:HB3	7	0.11
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	18	0.11
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	18	0.11
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	18	0.11
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	18	0.11
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	18	0.11
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	18	0.11
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	18	0.11
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	18	0.11
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	18	0.11
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	18	0.11
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	18	0.11
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	19	0.11
(4,1358)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	19	0.11
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	19	0.11
(4,1358)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	19	0.11
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	19	0.11
(4,1358)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	19	0.11
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	19	0.11
(4,1358)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	19	0.11
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	19	0.11
(4,1358)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	19	0.11
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	19	0.11
(4,1358)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	19	0.11
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG2	2	0.11
(4,1338)	1:16:A:LYS:HA	1:16:A:LYS:HG3	2	0.11
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	4	0.11
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	4	0.11
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	4	0.11
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	4	0.11
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	6	0.11
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	6	0.11
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	6	0.11
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	6	0.11
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB2	20	0.11
(4,1324)	1:17:A:TYR:HE1	1:16:A:LYS:HB3	20	0.11
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB2	20	0.11
(4,1324)	1:17:A:TYR:HE2	1:16:A:LYS:HB3	20	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	2	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	2	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	2	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	2	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	3	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	3	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	3	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	9	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	9	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	9	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	9	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	17	0.11
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	17	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	17	0.11
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	17	0.11
(4,1321)	1:16:A:LYS:HG2	1:16:A:LYS:HA	10	0.11
(4,1321)	1:16:A:LYS:HG3	1:16:A:LYS:HA	10	0.11
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	2	0.11
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	2	0.11
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	4	0.11
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	4	0.11
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	16	0.11
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	16	0.11
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	17	0.11
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	17	0.11
(4,1312)	1:15:A:TYR:HB2	1:12:A:VAL:HB	19	0.11
(4,1312)	1:15:A:TYR:HB3	1:12:A:VAL:HB	19	0.11
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD1	8	0.11
(4,1308)	1:15:A:TYR:HB2	1:15:A:TYR:HD2	8	0.11
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD1	8	0.11
(4,1308)	1:15:A:TYR:HB3	1:15:A:TYR:HD2	8	0.11
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB2	8	0.11
(4,1307)	1:15:A:TYR:HD1	1:15:A:TYR:HB3	8	0.11
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB2	8	0.11
(4,1307)	1:15:A:TYR:HD2	1:15:A:TYR:HB3	8	0.11
(4,1303)	1:15:A:TYR:HA	1:78:A:ASP:HB2	14	0.11
(4,1303)	1:15:A:TYR:HA	1:78:A:ASP:HB3	14	0.11
(4,1303)	1:15:A:TYR:HA	1:78:A:ASP:HB2	17	0.11
(4,1303)	1:15:A:TYR:HA	1:78:A:ASP:HB3	17	0.11
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	11	0.11
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	11	0.11
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	11	0.11
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	11	0.11
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	11	0.11
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	11	0.11
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	20	0.11
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	20	0.11
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	20	0.11
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	20	0.11
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	20	0.11
(4,1292)	1:53:A:MET:HE1	1:12:A:VAL:HG11	15	0.11
(4,1292)	1:53:A:MET:HE1	1:12:A:VAL:HG12	15	0.11
(4,1292)	1:53:A:MET:HE1	1:12:A:VAL:HG13	15	0.11
(4,1292)	1:53:A:MET:HE2	1:12:A:VAL:HG11	15	0.11
(4,1292)	1:53:A:MET:HE2	1:12:A:VAL:HG12	15	0.11
(4,1292)	1:53:A:MET:HE2	1:12:A:VAL:HG13	15	0.11
(4,1292)	1:53:A:MET:HE3	1:12:A:VAL:HG11	15	0.11
(4,1292)	1:53:A:MET:HE3	1:12:A:VAL:HG12	15	0.11
(4,1292)	1:53:A:MET:HE3	1:12:A:VAL:HG13	15	0.11
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	11	0.11
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	11	0.11
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	11	0.11
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	11	0.11
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	11	0.11
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	11	0.11
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	20	0.11
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	20	0.11
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	20	0.11
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	20	0.11
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	20	0.11
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	20	0.11
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	18	0.11
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	18	0.11
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	18	0.11
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	18	0.11
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	18	0.11
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	18	0.11
(4,1265)	1:53:A:MET:HB2	1:11:A:MET:HG2	13	0.11
(4,1265)	1:53:A:MET:HB2	1:11:A:MET:HG3	13	0.11
(4,1265)	1:53:A:MET:HB3	1:11:A:MET:HG2	13	0.11
(4,1265)	1:53:A:MET:HB3	1:11:A:MET:HG3	13	0.11
(4,1264)	1:53:A:MET:HB2	1:11:A:MET:HG2	13	0.11
(4,1264)	1:53:A:MET:HB2	1:11:A:MET:HG3	13	0.11
(4,1264)	1:53:A:MET:HB3	1:11:A:MET:HG2	13	0.11
(4,1264)	1:53:A:MET:HB3	1:11:A:MET:HG3	13	0.11
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB2	1	0.11
(4,1262)	1:11:A:MET:HG2	1:53:A:MET:HB3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB2	1	0.11
(4,1262)	1:11:A:MET:HG3	1:53:A:MET:HB3	1	0.11
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	2	0.11
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	2	0.11
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	2	0.11
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	2	0.11
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	2	0.11
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	2	0.11
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	2	0.11
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	2	0.11
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	2	0.11
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	2	0.11
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	2	0.11
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	2	0.11
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	11	0.11
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	11	0.11
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	11	0.11
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	11	0.11
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	11	0.11
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	11	0.11
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	11	0.11
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	11	0.11
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	11	0.11
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	11	0.11
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	11	0.11
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	11	0.11
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG2	18	0.11
(4,1245)	1:22:A:VAL:HG11	1:9:A:LYS:HG3	18	0.11
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG2	18	0.11
(4,1245)	1:22:A:VAL:HG12	1:9:A:LYS:HG3	18	0.11
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG2	18	0.11
(4,1245)	1:22:A:VAL:HG13	1:9:A:LYS:HG3	18	0.11
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG2	18	0.11
(4,1245)	1:22:A:VAL:HG21	1:9:A:LYS:HG3	18	0.11
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG2	18	0.11
(4,1245)	1:22:A:VAL:HG22	1:9:A:LYS:HG3	18	0.11
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG2	18	0.11
(4,1245)	1:22:A:VAL:HG23	1:9:A:LYS:HG3	18	0.11
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	8	0.11
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	12	0.11
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	16	0.11
(4,1212)	1:11:A:MET:HB2	1:8:A:LEU:HA	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1212)	1:11:A:MET:HB3	1:8:A:LEU:HA	2	0.11
(4,1212)	1:11:A:MET:HB2	1:8:A:LEU:HA	19	0.11
(4,1212)	1:11:A:MET:HB3	1:8:A:LEU:HA	19	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	6	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	6	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	9	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	9	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	12	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	12	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	17	0.11
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	17	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	6	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	6	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	9	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	9	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	12	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	12	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	17	0.11
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	17	0.11
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	15	0.11
(4,1195)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	15	0.11
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	15	0.11
(4,1195)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	15	0.11
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	15	0.11
(4,1195)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	15	0.11
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	15	0.11
(4,1195)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	15	0.11
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	15	0.11
(4,1195)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	15	0.11
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	15	0.11
(4,1195)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	15	0.11
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG2	15	0.11
(4,1194)	1:22:A:VAL:HG11	1:5:A:GLU:HG3	15	0.11
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG2	15	0.11
(4,1194)	1:22:A:VAL:HG12	1:5:A:GLU:HG3	15	0.11
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG2	15	0.11
(4,1194)	1:22:A:VAL:HG13	1:5:A:GLU:HG3	15	0.11
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG2	15	0.11
(4,1194)	1:22:A:VAL:HG21	1:5:A:GLU:HG3	15	0.11
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG2	15	0.11
(4,1194)	1:22:A:VAL:HG22	1:5:A:GLU:HG3	15	0.11
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1194)	1:22:A:VAL:HG23	1:5:A:GLU:HG3	15	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	1	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	1	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	1	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	1	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	1	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	1	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	1	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	1	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	1	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	1	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	1	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	1	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	2	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	2	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	2	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	2	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	2	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	2	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	2	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	2	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	2	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	2	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	2	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	2	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	5	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	5	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	5	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	5	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	5	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	5	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	5	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	5	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	5	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	5	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	5	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	5	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	9	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	9	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	9	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	9	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	9	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	9	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	9	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	9	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	9	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	9	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	9	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	15	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	15	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	15	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	15	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	15	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	15	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	15	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	15	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	15	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	15	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	15	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	15	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	18	0.11
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	18	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	18	0.11
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	18	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	18	0.11
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	18	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	18	0.11
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	18	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	18	0.11
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	18	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	18	0.11
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	18	0.11
(4,1169)	1:7:A:GLN:HB2	1:4:A:SER:HB2	19	0.11
(4,1169)	1:7:A:GLN:HB2	1:4:A:SER:HB3	19	0.11
(4,1169)	1:7:A:GLN:HB3	1:4:A:SER:HB2	19	0.11
(4,1169)	1:7:A:GLN:HB3	1:4:A:SER:HB3	19	0.11
(4,1149)	1:143:A:SER:HB2	1:143:A:SER:HA	2	0.11
(4,1149)	1:143:A:SER:HB3	1:143:A:SER:HA	2	0.11
(4,1149)	1:143:A:SER:HB2	1:143:A:SER:HA	10	0.11
(4,1149)	1:143:A:SER:HB3	1:143:A:SER:HA	10	0.11
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB2	2	0.11
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB3	2	0.11
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1148)	1:143:A:SER:HA	1:143:A:SER:HB3	10	0.11
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	1	0.11
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	1	0.11
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG2	16	0.11
(4,1144)	1:138:A:GLU:HA	1:138:A:GLU:HG3	16	0.11
(4,1138)	1:138:A:GLU:HA	1:140:A:PRO:HA	15	0.11
(4,1136)	1:140:A:PRO:HA	1:138:A:GLU:HA	15	0.11
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	12	0.11
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	12	0.11
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB2	15	0.11
(4,1127)	1:135:A:PHE:HA	1:135:A:PHE:HB3	15	0.11
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	12	0.11
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	12	0.11
(4,1126)	1:135:A:PHE:HB2	1:135:A:PHE:HA	15	0.11
(4,1126)	1:135:A:PHE:HB3	1:135:A:PHE:HA	15	0.11
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	12	0.11
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	12	0.11
(4,1123)	1:135:A:PHE:HB2	1:135:A:PHE:HA	15	0.11
(4,1123)	1:135:A:PHE:HB3	1:135:A:PHE:HA	15	0.11
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	12	0.11
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	12	0.11
(4,1122)	1:135:A:PHE:HB2	1:135:A:PHE:HA	15	0.11
(4,1122)	1:135:A:PHE:HB3	1:135:A:PHE:HA	15	0.11
(4,1082)	1:8:A:LEU:HD11	1:11:A:MET:HE1	4	0.11
(4,1082)	1:8:A:LEU:HD11	1:11:A:MET:HE2	4	0.11
(4,1082)	1:8:A:LEU:HD11	1:11:A:MET:HE3	4	0.11
(4,1082)	1:8:A:LEU:HD12	1:11:A:MET:HE1	4	0.11
(4,1082)	1:8:A:LEU:HD12	1:11:A:MET:HE2	4	0.11
(4,1082)	1:8:A:LEU:HD12	1:11:A:MET:HE3	4	0.11
(4,1082)	1:8:A:LEU:HD13	1:11:A:MET:HE1	4	0.11
(4,1082)	1:8:A:LEU:HD13	1:11:A:MET:HE2	4	0.11
(4,1082)	1:8:A:LEU:HD13	1:11:A:MET:HE3	4	0.11
(4,1082)	1:8:A:LEU:HD21	1:11:A:MET:HE1	4	0.11
(4,1082)	1:8:A:LEU:HD21	1:11:A:MET:HE2	4	0.11
(4,1082)	1:8:A:LEU:HD21	1:11:A:MET:HE3	4	0.11
(4,1082)	1:8:A:LEU:HD22	1:11:A:MET:HE1	4	0.11
(4,1082)	1:8:A:LEU:HD22	1:11:A:MET:HE2	4	0.11
(4,1082)	1:8:A:LEU:HD22	1:11:A:MET:HE3	4	0.11
(4,1082)	1:8:A:LEU:HD23	1:11:A:MET:HE1	4	0.11
(4,1082)	1:8:A:LEU:HD23	1:11:A:MET:HE2	4	0.11
(4,1082)	1:8:A:LEU:HD23	1:11:A:MET:HE3	4	0.11
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	7	0.11
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	7	0.11
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	14	0.11
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	14	0.11
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	14	0.11
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	2	0.11
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	2	0.11
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	2	0.11
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	2	0.11
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	2	0.11
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	2	0.11
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	2	0.11
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	2	0.11
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	2	0.11
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	4	0.11
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	4	0.11
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	15	0.11
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	15	0.11
(4,1064)	1:131:A:MET:HG2	1:131:A:MET:HA	10	0.11
(4,1064)	1:131:A:MET:HG3	1:131:A:MET:HA	10	0.11
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD11	13	0.11
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD12	13	0.11
(4,1035)	1:128:A:ILE:HA	1:128:A:ILE:HD13	13	0.11
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD11	15	0.11
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD12	15	0.11
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD13	15	0.11
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD21	15	0.11
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD22	15	0.11
(4,1004)	1:127:A:LEU:HA	1:127:A:LEU:HD23	15	0.11
(4,1001)	1:127:A:LEU:HA	1:127:A:LEU:HG	1	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	1	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	2	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	3	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	5	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	6	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	7	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	8	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	9	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	10	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	11	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	12	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	14	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	15	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	16	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	17	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	18	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	19	0.11
(4,1000)	1:37:A:PRO:HG2	1:37:A:PRO:HG3	20	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	1	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	2	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	3	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	5	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	6	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	7	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	8	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	9	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	10	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	11	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	12	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	13	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	14	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	15	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	16	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	17	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	18	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	19	0.11
(4,999)	1:37:A:PRO:HG3	1:37:A:PRO:HG2	20	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	1	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	1	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	1	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	1	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	1	0.11
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	1	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	1	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	1	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	1	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	1	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	1	0.11
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	1	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD11	11	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD12	11	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD13	11	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD22	11	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD23	11	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD11	13	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD12	13	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD13	13	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD21	13	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD22	13	0.11
(4,991)	1:125:A:LEU:HA	1:125:A:LEU:HD23	13	0.11
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD11	20	0.11
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD12	20	0.11
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD13	20	0.11
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD21	20	0.11
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD22	20	0.11
(4,990)	1:125:A:LEU:HA	1:125:A:LEU:HD23	20	0.11
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	17	0.11
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	17	0.11
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	18	0.11
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	18	0.11
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	16	0.11
(4,948)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	16	0.11
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	16	0.11
(4,948)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	16	0.11
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG2	16	0.11
(4,946)	1:36:A:LYS:HE2	1:36:A:LYS:HG3	16	0.11
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG2	16	0.11
(4,946)	1:36:A:LYS:HE3	1:36:A:LYS:HG3	16	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	3	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	3	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	6	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	6	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	7	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	7	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	9	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	9	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	17	0.11
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	17	0.11
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	9	0.11
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	9	0.11
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	9	0.11
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	9	0.11
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	9	0.11
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	20	0.11
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	20	0.11
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	20	0.11
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	20	0.11
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	20	0.11
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	20	0.11
(4,876)	1:103:A:VAL:HG21	1:103:A:VAL:HA	14	0.11
(4,876)	1:103:A:VAL:HG22	1:103:A:VAL:HA	14	0.11
(4,876)	1:103:A:VAL:HG23	1:103:A:VAL:HA	14	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	1	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	1	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	7	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	7	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	10	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	10	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	13	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	13	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	14	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	14	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	19	0.11
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	19	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	1	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	1	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	7	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	7	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	10	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	10	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	13	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	13	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	14	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	14	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	19	0.11
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	19	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	1	0.11
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	1	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	7	0.11
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	7	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	10	0.11
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	10	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	13	0.11
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	13	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	14	0.11
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	19	0.11
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	19	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	1	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	1	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	7	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	7	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	10	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	10	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	13	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	13	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	14	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	14	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	19	0.11
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	19	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	1	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	1	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	4	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	4	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	5	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	5	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	13	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	13	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	14	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	14	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	15	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	15	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	19	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	19	0.11
(4,850)	1:101:A:LYS:HB2	1:101:A:LYS:HA	20	0.11
(4,850)	1:101:A:LYS:HB3	1:101:A:LYS:HA	20	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	1	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	1	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	4	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	4	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	5	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	5	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	13	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	13	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	14	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	14	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	15	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	19	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	19	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB2	20	0.11
(4,849)	1:101:A:LYS:HA	1:101:A:LYS:HB3	20	0.11
(4,842)	1:97:A:ILE:HB	1:97:A:ILE:HA	10	0.11
(4,842)	1:97:A:ILE:HB	1:97:A:ILE:HA	11	0.11
(4,840)	1:97:A:ILE:HG12	1:97:A:ILE:HA	2	0.11
(4,840)	1:97:A:ILE:HG13	1:97:A:ILE:HA	2	0.11
(4,830)	1:97:A:ILE:HB	1:97:A:ILE:HD11	10	0.11
(4,830)	1:97:A:ILE:HB	1:97:A:ILE:HD12	10	0.11
(4,830)	1:97:A:ILE:HB	1:97:A:ILE:HD13	10	0.11
(4,821)	1:97:A:ILE:HA	1:97:A:ILE:HB	10	0.11
(4,821)	1:97:A:ILE:HA	1:97:A:ILE:HB	11	0.11
(4,813)	1:95:A:MET:HG2	1:95:A:MET:HA	15	0.11
(4,813)	1:95:A:MET:HG3	1:95:A:MET:HA	15	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,805)	1:95:A:MET:HG2	1:95:A:MET:HA	15	0.11
(4,805)	1:95:A:MET:HG3	1:95:A:MET:HA	15	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	9	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	9	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	9	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	9	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	11	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	11	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	11	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	11	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	13	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	13	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	13	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	13	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	15	0.11
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	15	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	15	0.11
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	15	0.11
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB2	5	0.11
(4,792)	1:94:A:SER:HA	1:94:A:SER:HB3	5	0.11
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB2	5	0.11
(4,791)	1:94:A:SER:HA	1:94:A:SER:HB3	5	0.11
(4,762)	1:86:A:ILE:HD11	1:86:A:ILE:HA	14	0.11
(4,762)	1:86:A:ILE:HD12	1:86:A:ILE:HA	14	0.11
(4,762)	1:86:A:ILE:HD13	1:86:A:ILE:HA	14	0.11
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	5	0.11
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	5	0.11
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	5	0.11
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	15	0.11
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	15	0.11
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	15	0.11
(4,754)	1:86:A:ILE:HD11	1:86:A:ILE:HB	17	0.11
(4,754)	1:86:A:ILE:HD12	1:86:A:ILE:HB	17	0.11
(4,754)	1:86:A:ILE:HD13	1:86:A:ILE:HB	17	0.11
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	2	0.11
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	2	0.11
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	2	0.11
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	2	0.11
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	2	0.11
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	2	0.11
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	2	0.11
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	2	0.11
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD11	18	0.11
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD12	18	0.11
(4,749)	1:86:A:ILE:HG21	1:86:A:ILE:HD13	18	0.11
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD11	18	0.11
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD12	18	0.11
(4,749)	1:86:A:ILE:HG22	1:86:A:ILE:HD13	18	0.11
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD11	18	0.11
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD12	18	0.11
(4,749)	1:86:A:ILE:HG23	1:86:A:ILE:HD13	18	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	5	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	5	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	5	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	5	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	5	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	5	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	19	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	19	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	19	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	19	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	19	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	19	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG21	20	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG22	20	0.11
(4,748)	1:86:A:ILE:HG12	1:86:A:ILE:HG23	20	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG21	20	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG22	20	0.11
(4,748)	1:86:A:ILE:HG13	1:86:A:ILE:HG23	20	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	2	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	2	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	9	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	9	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	18	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	18	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	20	0.11
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	20	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	2	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	2	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	9	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	18	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	18	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	20	0.11
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	20	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	2	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	2	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	9	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	9	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	18	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	18	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	20	0.11
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	20	0.11
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	2	0.11
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	2	0.11
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	9	0.11
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	9	0.11
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	18	0.11
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	18	0.11
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	20	0.11
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	20	0.11
(4,730)	1:59:A:ILE:HG12	1:70:A:ILE:HG21	17	0.11
(4,730)	1:59:A:ILE:HG12	1:70:A:ILE:HG22	17	0.11
(4,730)	1:59:A:ILE:HG12	1:70:A:ILE:HG23	17	0.11
(4,730)	1:59:A:ILE:HG13	1:70:A:ILE:HG21	17	0.11
(4,730)	1:59:A:ILE:HG13	1:70:A:ILE:HG22	17	0.11
(4,730)	1:59:A:ILE:HG13	1:70:A:ILE:HG23	17	0.11
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	12	0.11
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	12	0.11
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	15	0.11
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	15	0.11
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG12	16	0.11
(4,724)	1:109:A:ILE:HA	1:109:A:ILE:HG13	16	0.11
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	12	0.11
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	12	0.11
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	15	0.11
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	15	0.11
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG12	16	0.11
(4,723)	1:109:A:ILE:HA	1:109:A:ILE:HG13	16	0.11
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD11	12	0.11
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD12	12	0.11
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD13	12	0.11
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD11	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD12	16	0.11
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD13	16	0.11
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD21	16	0.11
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD22	16	0.11
(4,660)	1:76:A:LEU:HA	1:76:A:LEU:HD23	16	0.11
(4,610)	1:64:A:ARG:HD2	1:64:A:ARG:HA	9	0.11
(4,610)	1:64:A:ARG:HD3	1:64:A:ARG:HA	9	0.11
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	3	0.11
(4,603)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	3	0.11
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	3	0.11
(4,603)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	3	0.11
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB2	3	0.11
(4,602)	1:64:A:ARG:HD2	1:64:A:ARG:HB3	3	0.11
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB2	3	0.11
(4,602)	1:64:A:ARG:HD3	1:64:A:ARG:HB3	3	0.11
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	6	0.11
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	6	0.11
(4,552)	1:53:A:MET:HG2	1:53:A:MET:HA	16	0.11
(4,552)	1:53:A:MET:HG3	1:53:A:MET:HA	16	0.11
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	13	0.11
(4,539)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	13	0.11
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	13	0.11
(4,539)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	13	0.11
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	13	0.11
(4,539)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	13	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	9	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	9	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	9	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	9	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	9	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	9	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	11	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	11	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	11	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	11	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	11	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	11	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	19	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	19	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	19	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	19	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	19	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB2	20	0.11
(4,538)	1:52:A:LEU:HD21	1:52:A:LEU:HB3	20	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB2	20	0.11
(4,538)	1:52:A:LEU:HD22	1:52:A:LEU:HB3	20	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB2	20	0.11
(4,538)	1:52:A:LEU:HD23	1:52:A:LEU:HB3	20	0.11
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	5	0.11
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	5	0.11
(4,526)	1:52:A:LEU:HB2	1:52:A:LEU:HA	6	0.11
(4,526)	1:52:A:LEU:HB3	1:52:A:LEU:HA	6	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	6	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	6	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	12	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	12	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	14	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	14	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	15	0.11
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	15	0.11
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	2	0.11
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	2	0.11
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	3	0.11
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	3	0.11
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	5	0.11
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	5	0.11
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	18	0.11
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	18	0.11
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	15	0.11
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	15	0.11
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	15	0.11
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	15	0.11
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	15	0.11
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	15	0.11
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	16	0.11
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	16	0.11
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	16	0.11
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	16	0.11
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	16	0.11
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	16	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	15	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	15	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	15	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	15	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	15	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	16	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	16	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	16	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	16	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	16	0.11
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	16	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	15	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	15	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	15	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	15	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	15	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	15	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	16	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	16	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	16	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	16	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	16	0.11
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	16	0.11
(4,415)	1:32:A:TYR:HB2	1:32:A:TYR:HA	12	0.11
(4,415)	1:32:A:TYR:HB3	1:32:A:TYR:HA	12	0.11
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	3	0.11
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	3	0.11
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	6	0.11
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	6	0.11
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	7	0.11
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	7	0.11
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	13	0.11
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	13	0.11
(4,403)	1:31:A:LEU:HB2	1:31:A:LEU:HG	16	0.11
(4,403)	1:31:A:LEU:HB3	1:31:A:LEU:HG	16	0.11
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	3	0.11
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	3	0.11
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	6	0.11
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	6	0.11
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	7	0.11
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	7	0.11
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	13	0.11
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	13	0.11
(4,402)	1:31:A:LEU:HB2	1:31:A:LEU:HG	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,402)	1:31:A:LEU:HB3	1:31:A:LEU:HG	16	0.11
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	15	0.11
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	20	0.11
(4,328)	1:24:A:GLU:HG2	1:24:A:GLU:HA	1	0.11
(4,328)	1:24:A:GLU:HG3	1:24:A:GLU:HA	1	0.11
(4,328)	1:24:A:GLU:HG2	1:24:A:GLU:HA	9	0.11
(4,328)	1:24:A:GLU:HG3	1:24:A:GLU:HA	9	0.11
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	2	0.11
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	5	0.11
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	11	0.11
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	12	0.11
(4,320)	1:24:A:GLU:HG3	1:24:A:GLU:HG2	19	0.11
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG2	1	0.11
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG3	1	0.11
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG2	9	0.11
(4,318)	1:24:A:GLU:HA	1:24:A:GLU:HG3	9	0.11
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG2	19	0.11
(4,311)	1:23:A:ARG:HA	1:23:A:ARG:HG3	19	0.11
(4,297)	1:18:A:ARG:HA	1:21:A:THR:HB	16	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	2	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	2	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	2	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	2	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	2	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	2	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	2	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	2	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	2	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	2	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	2	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	2	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD11	19	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD12	19	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD13	19	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD21	19	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD22	19	0.11
(4,290)	1:20:A:LEU:HB2	1:20:A:LEU:HD23	19	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD11	19	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD12	19	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD13	19	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD21	19	0.11
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD22	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,290)	1:20:A:LEU:HB3	1:20:A:LEU:HD23	19	0.11
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	3	0.11
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	3	0.11
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	3	0.11
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	3	0.11
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD2	4	0.11
(4,280)	1:18:A:ARG:HB2	1:18:A:ARG:HD3	4	0.11
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD2	4	0.11
(4,280)	1:18:A:ARG:HB3	1:18:A:ARG:HD3	4	0.11
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	3	0.11
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	3	0.11
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	3	0.11
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	3	0.11
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	4	0.11
(4,279)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	4	0.11
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	4	0.11
(4,279)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	4	0.11
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	3	0.11
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	3	0.11
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	3	0.11
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	3	0.11
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB2	4	0.11
(4,266)	1:18:A:ARG:HD2	1:18:A:ARG:HB3	4	0.11
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB2	4	0.11
(4,266)	1:18:A:ARG:HD3	1:18:A:ARG:HB3	4	0.11
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB2	14	0.11
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB3	14	0.11
(4,261)	1:17:A:TYR:HB2	1:17:A:TYR:HA	14	0.11
(4,261)	1:17:A:TYR:HB3	1:17:A:TYR:HA	14	0.11
(4,244)	1:14:A:LYS:HG2	1:14:A:LYS:HA	11	0.11
(4,244)	1:14:A:LYS:HG3	1:14:A:LYS:HA	11	0.11
(4,244)	1:14:A:LYS:HG2	1:14:A:LYS:HA	17	0.11
(4,244)	1:14:A:LYS:HG3	1:14:A:LYS:HA	17	0.11
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG2	11	0.11
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG3	11	0.11
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG2	17	0.11
(4,243)	1:14:A:LYS:HA	1:14:A:LYS:HG3	17	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	2	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	2	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	2	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	2	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	5	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	5	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	5	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	7	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	7	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	7	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	7	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	8	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	8	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	8	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	8	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	9	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	9	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	9	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	9	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	12	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	12	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	12	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	12	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	14	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	14	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	14	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	14	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	15	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	15	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	15	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	15	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	19	0.11
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	19	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	19	0.11
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	19	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	2	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	2	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	2	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	2	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	5	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	5	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	5	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	5	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	7	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	7	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	7	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	8	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	8	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	8	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	8	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	9	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	9	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	9	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	9	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	12	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	12	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	12	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	12	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	14	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	14	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	14	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	14	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	15	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	15	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	15	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	15	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	19	0.11
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	19	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	19	0.11
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	19	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	2	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	2	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	2	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	2	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	5	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	5	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	5	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	5	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	7	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	7	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	7	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	7	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	8	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	8	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	8	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	8	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	9	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	9	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	9	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	12	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	12	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	12	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	12	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	14	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	14	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	14	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	14	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	15	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	15	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	15	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	15	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	19	0.11
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	19	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	19	0.11
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	19	0.11
(4,205)	1:11:A:MET:HB2	1:11:A:MET:HA	10	0.11
(4,205)	1:11:A:MET:HB3	1:11:A:MET:HA	10	0.11
(4,205)	1:11:A:MET:HB2	1:11:A:MET:HA	13	0.11
(4,205)	1:11:A:MET:HB3	1:11:A:MET:HA	13	0.11
(4,205)	1:11:A:MET:HB2	1:11:A:MET:HA	20	0.11
(4,205)	1:11:A:MET:HB3	1:11:A:MET:HA	20	0.11
(4,201)	1:11:A:MET:HB2	1:11:A:MET:HA	10	0.11
(4,201)	1:11:A:MET:HB3	1:11:A:MET:HA	10	0.11
(4,201)	1:11:A:MET:HB2	1:11:A:MET:HA	13	0.11
(4,201)	1:11:A:MET:HB3	1:11:A:MET:HA	13	0.11
(4,201)	1:11:A:MET:HB2	1:11:A:MET:HA	20	0.11
(4,201)	1:11:A:MET:HB3	1:11:A:MET:HA	20	0.11
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	13	0.11
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	13	0.11
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	13	0.11
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	13	0.11
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	16	0.11
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	16	0.11
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	16	0.11
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	16	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	4	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	4	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	4	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	4	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	4	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	4	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	4	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	4	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	4	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	4	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	4	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	7	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	7	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	7	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	7	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	7	0.11
(4,138)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	7	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	7	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	7	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	7	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	7	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	7	0.11
(4,138)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	7	0.11
(4,135)	1:110:A:TYR:HA	1:114:A:LEU:HD11	10	0.11
(4,135)	1:110:A:TYR:HA	1:114:A:LEU:HD12	10	0.11
(4,135)	1:110:A:TYR:HA	1:114:A:LEU:HD13	10	0.11
(4,135)	1:110:A:TYR:HA	1:114:A:LEU:HD21	10	0.11
(4,135)	1:110:A:TYR:HA	1:114:A:LEU:HD22	10	0.11
(4,135)	1:110:A:TYR:HA	1:114:A:LEU:HD23	10	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	2	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	2	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	2	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	2	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	2	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	2	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	2	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	2	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	2	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	2	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	2	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	2	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	10	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	10	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	10	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	10	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	10	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	10	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	10	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	10	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	10	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	10	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	10	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	17	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	17	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	17	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	17	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	17	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	17	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	17	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	17	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	17	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	17	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	17	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	17	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	18	0.11
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	18	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	18	0.11
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	18	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	18	0.11
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	18	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	18	0.11
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	18	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	18	0.11
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	18	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	18	0.11
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	18	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD11	6	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD12	6	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD13	6	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD21	6	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD22	6	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD23	6	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD11	6	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD12	6	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD13	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD21	6	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD22	6	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD23	6	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD11	16	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD12	16	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD13	16	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD21	16	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD22	16	0.11
(4,106)	1:131:A:MET:HG2	1:127:A:LEU:HD23	16	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD11	16	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD12	16	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD13	16	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD21	16	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD22	16	0.11
(4,106)	1:131:A:MET:HG3	1:127:A:LEU:HD23	16	0.11
(4,71)	1:9:A:LYS:HE2	1:22:A:VAL:HG11	10	0.11
(4,71)	1:9:A:LYS:HE2	1:22:A:VAL:HG12	10	0.11
(4,71)	1:9:A:LYS:HE2	1:22:A:VAL:HG13	10	0.11
(4,71)	1:9:A:LYS:HE2	1:22:A:VAL:HG21	10	0.11
(4,71)	1:9:A:LYS:HE2	1:22:A:VAL:HG22	10	0.11
(4,71)	1:9:A:LYS:HE2	1:22:A:VAL:HG23	10	0.11
(4,71)	1:9:A:LYS:HE3	1:22:A:VAL:HG11	10	0.11
(4,71)	1:9:A:LYS:HE3	1:22:A:VAL:HG12	10	0.11
(4,71)	1:9:A:LYS:HE3	1:22:A:VAL:HG13	10	0.11
(4,71)	1:9:A:LYS:HE3	1:22:A:VAL:HG21	10	0.11
(4,71)	1:9:A:LYS:HE3	1:22:A:VAL:HG22	10	0.11
(4,71)	1:9:A:LYS:HE3	1:22:A:VAL:HG23	10	0.11
(4,49)	1:133:A:VAL:HG21	1:129:A:GLN:HG2	4	0.11
(4,49)	1:133:A:VAL:HG21	1:129:A:GLN:HG3	4	0.11
(4,49)	1:133:A:VAL:HG22	1:129:A:GLN:HG2	4	0.11
(4,49)	1:133:A:VAL:HG22	1:129:A:GLN:HG3	4	0.11
(4,49)	1:133:A:VAL:HG23	1:129:A:GLN:HG2	4	0.11
(4,49)	1:133:A:VAL:HG23	1:129:A:GLN:HG3	4	0.11
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD11	3	0.11
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD12	3	0.11
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD13	3	0.11
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD21	3	0.11
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD22	3	0.11
(4,42)	1:111:A:LEU:HB2	1:114:A:LEU:HD23	3	0.11
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD11	3	0.11
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD12	3	0.11
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD13	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD21	3	0.11
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD22	3	0.11
(4,42)	1:111:A:LEU:HB3	1:114:A:LEU:HD23	3	0.11
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	16	0.11
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	16	0.11
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD11	11	0.11
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD12	11	0.11
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD13	11	0.11
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD21	11	0.11
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD22	11	0.11
(4,30)	1:11:A:MET:HG2	1:39:A:LEU:HD23	11	0.11
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD11	11	0.11
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD12	11	0.11
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD13	11	0.11
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD21	11	0.11
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD22	11	0.11
(4,30)	1:11:A:MET:HG3	1:39:A:LEU:HD23	11	0.11
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB2	8	0.11
(4,16)	1:74:A:LEU:HD11	1:87:A:CYS:HB3	8	0.11
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB2	8	0.11
(4,16)	1:74:A:LEU:HD12	1:87:A:CYS:HB3	8	0.11
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB2	8	0.11
(4,16)	1:74:A:LEU:HD13	1:87:A:CYS:HB3	8	0.11
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB2	8	0.11
(4,16)	1:74:A:LEU:HD21	1:87:A:CYS:HB3	8	0.11
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB2	8	0.11
(4,16)	1:74:A:LEU:HD22	1:87:A:CYS:HB3	8	0.11
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB2	8	0.11
(4,16)	1:74:A:LEU:HD23	1:87:A:CYS:HB3	8	0.11
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	11	0.11
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	11	0.11
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	11	0.11
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	11	0.11
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	11	0.11
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	11	0.11
(4,12)	1:74:A:LEU:HD11	1:73:A:CYS:HA	20	0.11
(4,12)	1:74:A:LEU:HD12	1:73:A:CYS:HA	20	0.11
(4,12)	1:74:A:LEU:HD13	1:73:A:CYS:HA	20	0.11
(4,12)	1:74:A:LEU:HD21	1:73:A:CYS:HA	20	0.11
(4,12)	1:74:A:LEU:HD22	1:73:A:CYS:HA	20	0.11
(4,12)	1:74:A:LEU:HD23	1:73:A:CYS:HA	20	0.11
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,11)	1:40:A:ASP:HB2	1:52:A:LEU:HB3	3	0.11
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB2	3	0.11
(4,11)	1:40:A:ASP:HB3	1:52:A:LEU:HB3	3	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	2	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	4	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	7	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	8	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	9	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	12	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	14	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	15	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	17	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	18	0.11
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	20	0.11
(1,63)	1:75:A:TRP:O	1:86:A:ILE:H	8	0.11
(1,62)	1:75:A:TRP:O	1:86:A:ILE:N	4	0.11
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	1	0.11
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	2	0.11
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	11	0.11
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	18	0.11
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	19	0.11
(1,6)	1:6:A:SER:O	1:10:A:LYS:H	11	0.11
(1,2)	1:4:A:SER:OG	1:6:A:SER:H	17	0.11
(8,93)	1:135:A:PHE:HD1	1:102:A:HIS:HE1	11	0.1
(8,93)	1:135:A:PHE:HD2	1:102:A:HIS:HE1	11	0.1
(8,77)	1:75:A:TRP:HH2	1:75:A:TRP:HZ3	5	0.1
(8,69)	1:113:A:TYR:HE1	1:117:A:TRP:HH2	13	0.1
(8,69)	1:113:A:TYR:HE2	1:117:A:TRP:HH2	13	0.1
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	10	0.1
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	10	0.1
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	10	0.1
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	10	0.1
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE1	14	0.1
(8,54)	1:142:A:PHE:HD1	1:68:A:TYR:HE2	14	0.1
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE1	14	0.1
(8,54)	1:142:A:PHE:HD2	1:68:A:TYR:HE2	14	0.1
(8,35)	1:110:A:TYR:HE1	1:115:A:HIS:HE1	3	0.1
(8,35)	1:110:A:TYR:HE2	1:115:A:HIS:HE1	3	0.1
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE1	4	0.1
(8,11)	1:68:A:TYR:HD1	1:63:A:TYR:HE2	4	0.1
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE1	4	0.1
(8,11)	1:68:A:TYR:HD2	1:63:A:TYR:HE2	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(8,6)	1:68:A:TYR:HE1	1:63:A:TYR:HE1	7	0.1
(8,6)	1:68:A:TYR:HE1	1:63:A:TYR:HE2	7	0.1
(8,6)	1:68:A:TYR:HE2	1:63:A:TYR:HE1	7	0.1
(8,6)	1:68:A:TYR:HE2	1:63:A:TYR:HE2	7	0.1
(8,3)	1:17:A:TYR:HD1	1:119:A:HIS:HE1	19	0.1
(8,3)	1:17:A:TYR:HD2	1:119:A:HIS:HE1	19	0.1
(6,1361)	1:67:A:THR:HB	1:63:A:TYR:H	6	0.1
(6,1326)	1:41:A:SER:HA	1:41:A:SER:H	14	0.1
(6,1320)	1:83:A:ASN:H	1:83:A:ASN:HD21	8	0.1
(6,1320)	1:83:A:ASN:H	1:83:A:ASN:HD22	8	0.1
(6,1319)	1:54:A:ASN:HD22	1:54:A:ASN:HD21	10	0.1
(6,1319)	1:54:A:ASN:HD22	1:54:A:ASN:HD21	12	0.1
(6,1318)	1:54:A:ASN:HD21	1:54:A:ASN:HD22	10	0.1
(6,1318)	1:54:A:ASN:HD21	1:54:A:ASN:HD22	12	0.1
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE21	8	0.1
(6,1317)	1:7:A:GLN:HG2	1:7:A:GLN:HE22	8	0.1
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE21	8	0.1
(6,1317)	1:7:A:GLN:HG3	1:7:A:GLN:HE22	8	0.1
(6,1309)	1:69:A:ASN:HD21	1:69:A:ASN:HD22	17	0.1
(6,1292)	1:83:A:ASN:HD21	1:83:A:ASN:H	5	0.1
(6,1292)	1:83:A:ASN:HD22	1:83:A:ASN:H	5	0.1
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	7	0.1
(6,1279)	1:66:A:ASN:HB2	1:66:A:ASN:HD22	7	0.1
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	7	0.1
(6,1279)	1:66:A:ASN:HB3	1:66:A:ASN:HD22	7	0.1
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	13	0.1
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	13	0.1
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	13	0.1
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	13	0.1
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	14	0.1
(6,1272)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	14	0.1
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	14	0.1
(6,1272)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	14	0.1
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	13	0.1
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	13	0.1
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	13	0.1
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	13	0.1
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD21	14	0.1
(6,1271)	1:27:A:ASN:HB2	1:27:A:ASN:HD22	14	0.1
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD21	14	0.1
(6,1271)	1:27:A:ASN:HB3	1:27:A:ASN:HD22	14	0.1
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	5	0.1
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB2	19	0.1
(6,1266)	1:117:A:TRP:HE1	1:121:A:GLN:HB3	19	0.1
(6,1239)	1:3:A:VAL:HB	1:3:A:VAL:H	1	0.1
(6,1239)	1:3:A:VAL:HB	1:3:A:VAL:H	10	0.1
(6,1231)	1:118:A:LYS:HB2	1:122:A:SER:H	15	0.1
(6,1231)	1:118:A:LYS:HB3	1:122:A:SER:H	15	0.1
(6,1226)	1:77:A:LEU:HD11	1:83:A:ASN:H	15	0.1
(6,1226)	1:77:A:LEU:HD12	1:83:A:ASN:H	15	0.1
(6,1226)	1:77:A:LEU:HD13	1:83:A:ASN:H	15	0.1
(6,1226)	1:77:A:LEU:HD21	1:83:A:ASN:H	15	0.1
(6,1226)	1:77:A:LEU:HD22	1:83:A:ASN:H	15	0.1
(6,1226)	1:77:A:LEU:HD23	1:83:A:ASN:H	15	0.1
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	13	0.1
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	13	0.1
(6,1192)	1:53:A:MET:HG2	1:54:A:ASN:H	14	0.1
(6,1192)	1:53:A:MET:HG3	1:54:A:ASN:H	14	0.1
(6,1187)	1:43:A:VAL:H	1:42:A:TYR:HA	4	0.1
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	3	0.1
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	3	0.1
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	3	0.1
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	3	0.1
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	3	0.1
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	3	0.1
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	13	0.1
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	13	0.1
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	13	0.1
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	13	0.1
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	13	0.1
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	13	0.1
(6,1186)	1:43:A:VAL:HG11	1:43:A:VAL:H	15	0.1
(6,1186)	1:43:A:VAL:HG12	1:43:A:VAL:H	15	0.1
(6,1186)	1:43:A:VAL:HG13	1:43:A:VAL:H	15	0.1
(6,1186)	1:43:A:VAL:HG21	1:43:A:VAL:H	15	0.1
(6,1186)	1:43:A:VAL:HG22	1:43:A:VAL:H	15	0.1
(6,1186)	1:43:A:VAL:HG23	1:43:A:VAL:H	15	0.1
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB2	2	0.1
(6,1169)	1:89:A:VAL:H	1:88:A:PHE:HB3	2	0.1
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	2	0.1
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	2	0.1
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	2	0.1
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	4	0.1
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	4	0.1
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	6	0.1
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	6	0.1
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	6	0.1
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	8	0.1
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	8	0.1
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	8	0.1
(6,1164)	1:72:A:ILE:HG21	1:72:A:ILE:H	12	0.1
(6,1164)	1:72:A:ILE:HG22	1:72:A:ILE:H	12	0.1
(6,1164)	1:72:A:ILE:HG23	1:72:A:ILE:H	12	0.1
(6,1142)	1:2:A:ALA:HA	1:3:A:VAL:H	5	0.1
(6,1137)	1:23:A:ARG:HB2	1:25:A:THR:H	2	0.1
(6,1137)	1:23:A:ARG:HB3	1:25:A:THR:H	2	0.1
(6,1106)	1:28:A:VAL:HG21	1:28:A:VAL:H	12	0.1
(6,1106)	1:28:A:VAL:HG22	1:28:A:VAL:H	12	0.1
(6,1106)	1:28:A:VAL:HG23	1:28:A:VAL:H	12	0.1
(6,1092)	1:29:A:ILE:HG12	1:29:A:ILE:H	15	0.1
(6,1092)	1:29:A:ILE:HG13	1:29:A:ILE:H	15	0.1
(6,1086)	1:29:A:ILE:HG12	1:30:A:THR:H	4	0.1
(6,1086)	1:29:A:ILE:HG13	1:30:A:THR:H	4	0.1
(6,1063)	1:34:A:ASP:H	1:32:A:TYR:H	11	0.1
(6,1040)	1:33:A:LYS:HD2	1:33:A:LYS:H	19	0.1
(6,1040)	1:33:A:LYS:HD3	1:33:A:LYS:H	19	0.1
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	7	0.1
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	7	0.1
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB2	17	0.1
(6,1029)	1:35:A:LEU:H	1:32:A:TYR:HB3	17	0.1
(6,998)	1:40:A:ASP:HB2	1:40:A:ASP:H	9	0.1
(6,998)	1:40:A:ASP:HB3	1:40:A:ASP:H	9	0.1
(6,995)	1:43:A:VAL:HG11	1:44:A:PHE:H	5	0.1
(6,995)	1:43:A:VAL:HG12	1:44:A:PHE:H	5	0.1
(6,995)	1:43:A:VAL:HG13	1:44:A:PHE:H	5	0.1
(6,995)	1:43:A:VAL:HG21	1:44:A:PHE:H	5	0.1
(6,995)	1:43:A:VAL:HG22	1:44:A:PHE:H	5	0.1
(6,995)	1:43:A:VAL:HG23	1:44:A:PHE:H	5	0.1
(6,967)	1:46:A:ASP:HB2	1:48:A:SER:H	6	0.1
(6,967)	1:46:A:ASP:HB3	1:48:A:SER:H	6	0.1
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	4	0.1
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	4	0.1
(6,955)	1:48:A:SER:HB2	1:49:A:SER:H	13	0.1
(6,955)	1:48:A:SER:HB3	1:49:A:SER:H	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,929)	1:39:A:LEU:HD11	1:52:A:LEU:H	10	0.1
(6,929)	1:39:A:LEU:HD12	1:52:A:LEU:H	10	0.1
(6,929)	1:39:A:LEU:HD13	1:52:A:LEU:H	10	0.1
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	11	0.1
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	13	0.1
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	14	0.1
(6,914)	1:55:A:LEU:HA	1:56:A:THR:H	16	0.1
(6,912)	1:54:A:ASN:HB2	1:55:A:LEU:H	14	0.1
(6,912)	1:54:A:ASN:HB3	1:55:A:LEU:H	14	0.1
(6,871)	1:65:A:GLY:H	1:64:A:ARG:H	11	0.1
(6,823)	1:59:A:ILE:HG12	1:70:A:ILE:H	20	0.1
(6,823)	1:59:A:ILE:HG13	1:70:A:ILE:H	20	0.1
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	8	0.1
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	8	0.1
(6,802)	1:76:A:LEU:HB2	1:76:A:LEU:H	13	0.1
(6,802)	1:76:A:LEU:HB3	1:76:A:LEU:H	13	0.1
(6,797)	1:77:A:LEU:HG	1:77:A:LEU:H	1	0.1
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB2	2	0.1
(6,786)	1:79:A:THR:H	1:77:A:LEU:HB3	2	0.1
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB2	4	0.1
(6,710)	1:92:A:THR:H	1:91:A:PRO:HB3	4	0.1
(6,709)	1:95:A:MET:HB2	1:92:A:THR:H	12	0.1
(6,709)	1:95:A:MET:HB3	1:92:A:THR:H	12	0.1
(6,707)	1:92:A:THR:HG21	1:92:A:THR:H	18	0.1
(6,707)	1:92:A:THR:HG22	1:92:A:THR:H	18	0.1
(6,707)	1:92:A:THR:HG23	1:92:A:THR:H	18	0.1
(6,701)	1:92:A:THR:HA	1:93:A:SER:H	8	0.1
(6,695)	1:94:A:SER:HB2	1:94:A:SER:H	13	0.1
(6,695)	1:94:A:SER:HB3	1:94:A:SER:H	13	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG11	14	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG12	14	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG13	14	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG21	14	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG22	14	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG23	14	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG11	18	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG12	18	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG13	18	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG21	18	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG22	18	0.1
(6,673)	1:98:A:LYS:H	1:141:A:VAL:HG23	18	0.1
(6,672)	1:98:A:LYS:HB2	1:98:A:LYS:H	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,672)	1:98:A:LYS:HB3	1:98:A:LYS:H	1	0.1
(6,672)	1:98:A:LYS:HB2	1:98:A:LYS:H	16	0.1
(6,672)	1:98:A:LYS:HB3	1:98:A:LYS:H	16	0.1
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB2	1	0.1
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB3	1	0.1
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB2	16	0.1
(6,670)	1:98:A:LYS:H	1:98:A:LYS:HB3	16	0.1
(6,660)	1:98:A:LYS:HA	1:100:A:GLY:H	18	0.1
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	8	0.1
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	8	0.1
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	9	0.1
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	9	0.1
(6,656)	1:101:A:LYS:HB2	1:101:A:LYS:H	14	0.1
(6,656)	1:101:A:LYS:HB3	1:101:A:LYS:H	14	0.1
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB2	4	0.1
(6,650)	1:102:A:HIS:H	1:101:A:LYS:HB3	4	0.1
(6,635)	1:101:A:LYS:HB2	1:103:A:VAL:H	20	0.1
(6,635)	1:101:A:LYS:HB3	1:103:A:VAL:H	20	0.1
(6,627)	1:104:A:ASP:HB2	1:104:A:ASP:H	11	0.1
(6,627)	1:104:A:ASP:HB3	1:104:A:ASP:H	11	0.1
(6,627)	1:104:A:ASP:HB2	1:104:A:ASP:H	16	0.1
(6,627)	1:104:A:ASP:HB3	1:104:A:ASP:H	16	0.1
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	7	0.1
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	7	0.1
(6,604)	1:107:A:GLY:HA2	1:107:A:GLY:H	11	0.1
(6,604)	1:107:A:GLY:HA3	1:107:A:GLY:H	11	0.1
(6,603)	1:107:A:GLY:H	1:106:A:ASN:HA	13	0.1
(6,593)	1:108:A:LYS:HD2	1:108:A:LYS:H	15	0.1
(6,593)	1:108:A:LYS:HD3	1:108:A:LYS:H	15	0.1
(6,585)	1:108:A:LYS:HG2	1:109:A:ILE:H	8	0.1
(6,585)	1:108:A:LYS:HG3	1:109:A:ILE:H	8	0.1
(6,585)	1:108:A:LYS:HG2	1:109:A:ILE:H	9	0.1
(6,585)	1:108:A:LYS:HG3	1:109:A:ILE:H	9	0.1
(6,584)	1:109:A:ILE:HG12	1:109:A:ILE:H	6	0.1
(6,584)	1:109:A:ILE:HG13	1:109:A:ILE:H	6	0.1
(6,572)	1:103:A:VAL:HG11	1:110:A:TYR:H	14	0.1
(6,572)	1:103:A:VAL:HG12	1:110:A:TYR:H	14	0.1
(6,572)	1:103:A:VAL:HG13	1:110:A:TYR:H	14	0.1
(6,572)	1:103:A:VAL:HG21	1:110:A:TYR:H	14	0.1
(6,572)	1:103:A:VAL:HG22	1:110:A:TYR:H	14	0.1
(6,572)	1:103:A:VAL:HG23	1:110:A:TYR:H	14	0.1
(6,570)	1:109:A:ILE:HG21	1:110:A:TYR:H	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,570)	1:109:A:ILE:HG22	1:110:A:TYR:H	19	0.1
(6,570)	1:109:A:ILE:HG23	1:110:A:TYR:H	19	0.1
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD11	20	0.1
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD12	20	0.1
(6,548)	1:113:A:TYR:H	1:111:A:LEU:HD13	20	0.1
(6,514)	1:77:A:LEU:HD11	1:78:A:ASP:H	4	0.1
(6,514)	1:77:A:LEU:HD12	1:78:A:ASP:H	4	0.1
(6,514)	1:77:A:LEU:HD13	1:78:A:ASP:H	4	0.1
(6,514)	1:77:A:LEU:HD21	1:78:A:ASP:H	4	0.1
(6,514)	1:77:A:LEU:HD22	1:78:A:ASP:H	4	0.1
(6,514)	1:77:A:LEU:HD23	1:78:A:ASP:H	4	0.1
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB2	18	0.1
(6,497)	1:117:A:TRP:H	1:114:A:LEU:HB3	18	0.1
(6,449)	1:119:A:HIS:HA	1:122:A:SER:H	7	0.1
(6,448)	1:122:A:SER:H	1:123:A:ASP:HA	1	0.1
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB2	12	0.1
(6,426)	1:125:A:LEU:H	1:124:A:LEU:HB3	12	0.1
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	1	0.1
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	1	0.1
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	7	0.1
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	7	0.1
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	14	0.1
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	14	0.1
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	18	0.1
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	18	0.1
(6,397)	1:128:A:ILE:HG12	1:128:A:ILE:H	19	0.1
(6,397)	1:128:A:ILE:HG13	1:128:A:ILE:H	19	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	6	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	6	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	6	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	6	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	6	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	6	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	9	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	9	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	9	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	9	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	9	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	9	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG11	15	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG12	15	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG13	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG21	15	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG22	15	0.1
(6,357)	1:131:A:MET:H	1:130:A:VAL:HG23	15	0.1
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	5	0.1
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	5	0.1
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	7	0.1
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	7	0.1
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG12	12	0.1
(6,344)	1:132:A:ILE:H	1:132:A:ILE:HG13	12	0.1
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	5	0.1
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	5	0.1
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	7	0.1
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	7	0.1
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG12	12	0.1
(6,341)	1:132:A:ILE:H	1:132:A:ILE:HG13	12	0.1
(6,285)	1:138:A:GLU:HG2	1:138:A:GLU:H	17	0.1
(6,285)	1:138:A:GLU:HG3	1:138:A:GLU:H	17	0.1
(6,278)	1:141:A:VAL:HB	1:142:A:PHE:H	19	0.1
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	4	0.1
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	4	0.1
(6,276)	1:142:A:PHE:HB2	1:142:A:PHE:H	13	0.1
(6,276)	1:142:A:PHE:HB3	1:142:A:PHE:H	13	0.1
(6,262)	1:104:A:ASP:HB2	1:105:A:ALA:H	3	0.1
(6,262)	1:104:A:ASP:HB3	1:105:A:ALA:H	3	0.1
(6,195)	1:18:A:ARG:HG2	1:19:A:ASP:H	9	0.1
(6,195)	1:18:A:ARG:HG3	1:19:A:ASP:H	9	0.1
(6,136)	1:14:A:LYS:HG2	1:14:A:LYS:H	14	0.1
(6,136)	1:14:A:LYS:HG3	1:14:A:LYS:H	14	0.1
(6,135)	1:14:A:LYS:HG2	1:14:A:LYS:H	14	0.1
(6,135)	1:14:A:LYS:HG3	1:14:A:LYS:H	14	0.1
(6,133)	1:14:A:LYS:HA	1:14:A:LYS:H	4	0.1
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	2	0.1
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	2	0.1
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	2	0.1
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	2	0.1
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	2	0.1
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	2	0.1
(6,101)	1:3:A:VAL:HG11	1:11:A:MET:H	17	0.1
(6,101)	1:3:A:VAL:HG12	1:11:A:MET:H	17	0.1
(6,101)	1:3:A:VAL:HG13	1:11:A:MET:H	17	0.1
(6,101)	1:3:A:VAL:HG21	1:11:A:MET:H	17	0.1
(6,101)	1:3:A:VAL:HG22	1:11:A:MET:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,101)	1:3:A:VAL:HG23	1:11:A:MET:H	17	0.1
(6,93)	1:11:A:MET:HG2	1:11:A:MET:H	4	0.1
(6,93)	1:11:A:MET:HG3	1:11:A:MET:H	4	0.1
(6,75)	1:7:A:GLN:HG2	1:9:A:LYS:H	20	0.1
(6,75)	1:7:A:GLN:HG3	1:9:A:LYS:H	20	0.1
(6,23)	1:5:A:GLU:HG2	1:5:A:GLU:H	10	0.1
(6,23)	1:5:A:GLU:HG3	1:5:A:GLU:H	10	0.1
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG11	17	0.1
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG12	17	0.1
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG13	17	0.1
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG21	17	0.1
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG22	17	0.1
(5,1)	1:38:A:VAL:H	1:38:A:VAL:HG23	17	0.1
(4,3167)	1:139:A:PRO:HB2	1:138:A:GLU:HA	18	0.1
(4,3167)	1:139:A:PRO:HB3	1:138:A:GLU:HA	18	0.1
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB2	19	0.1
(4,3163)	1:38:A:VAL:H	1:37:A:PRO:HB3	19	0.1
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB2	19	0.1
(4,3162)	1:38:A:VAL:H	1:37:A:PRO:HB3	19	0.1
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB2	19	0.1
(4,3139)	1:108:A:LYS:HD2	1:108:A:LYS:HB3	19	0.1
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB2	19	0.1
(4,3139)	1:108:A:LYS:HD3	1:108:A:LYS:HB3	19	0.1
(4,3131)	1:108:A:LYS:HD2	1:108:A:LYS:HE2	9	0.1
(4,3131)	1:108:A:LYS:HD2	1:108:A:LYS:HE3	9	0.1
(4,3131)	1:108:A:LYS:HD3	1:108:A:LYS:HE2	9	0.1
(4,3131)	1:108:A:LYS:HD3	1:108:A:LYS:HE3	9	0.1
(4,3118)	1:101:A:LYS:HE2	1:101:A:LYS:HG2	20	0.1
(4,3118)	1:101:A:LYS:HE3	1:101:A:LYS:HG2	20	0.1
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	9	0.1
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	9	0.1
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG2	20	0.1
(4,3114)	1:98:A:LYS:HA	1:98:A:LYS:HG3	20	0.1
(4,3111)	1:98:A:LYS:HA	1:98:A:LYS:HB2	15	0.1
(4,3111)	1:98:A:LYS:HA	1:98:A:LYS:HB3	15	0.1
(4,3110)	1:98:A:LYS:HA	1:98:A:LYS:HB2	15	0.1
(4,3110)	1:98:A:LYS:HA	1:98:A:LYS:HB3	15	0.1
(4,3107)	1:98:A:LYS:HA	1:98:A:LYS:HB2	15	0.1
(4,3107)	1:98:A:LYS:HA	1:98:A:LYS:HB3	15	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	2	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	2	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	2	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	5	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	5	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	5	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	5	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	6	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	6	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	6	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	6	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	7	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	7	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	7	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	7	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	10	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	10	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	10	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	10	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	11	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	11	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	11	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	11	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	16	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	16	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	16	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	16	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	17	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	17	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	17	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	17	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	20	0.1
(4,3088)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	20	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	20	0.1
(4,3088)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	20	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	2	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	2	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	2	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	2	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	5	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	5	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	5	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	5	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	6	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	6	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	6	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	7	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	7	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	7	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	7	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	10	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	10	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	10	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	10	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	11	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	11	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	11	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	11	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	16	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	16	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	16	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	16	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	17	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	17	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	17	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	17	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	20	0.1
(4,3079)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	20	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	20	0.1
(4,3079)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	20	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	2	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	2	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	2	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	2	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	5	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	5	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	5	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	5	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	6	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	6	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	6	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	6	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	7	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	7	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	7	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	10	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	10	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	10	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	10	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	11	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	11	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	11	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	11	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	16	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	16	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	16	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	16	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	17	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	17	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	17	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	17	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG2	20	0.1
(4,3075)	1:84:A:PRO:HD2	1:84:A:PRO:HG3	20	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG2	20	0.1
(4,3075)	1:84:A:PRO:HD3	1:84:A:PRO:HG3	20	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	2	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	2	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	2	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	2	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	5	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	5	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	5	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	5	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	6	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	6	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	6	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	6	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	7	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	7	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	7	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	7	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	10	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	10	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	10	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	10	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	11	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	11	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	11	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	16	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	16	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	16	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	16	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	17	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	17	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	17	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	17	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD2	20	0.1
(4,3074)	1:84:A:PRO:HG2	1:84:A:PRO:HD3	20	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD2	20	0.1
(4,3074)	1:84:A:PRO:HG3	1:84:A:PRO:HD3	20	0.1
(4,3060)	1:36:A:LYS:HD2	1:36:A:LYS:HA	5	0.1
(4,3060)	1:36:A:LYS:HD3	1:36:A:LYS:HA	5	0.1
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD11	12	0.1
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD12	12	0.1
(4,3055)	1:36:A:LYS:HD2	1:29:A:ILE:HD13	12	0.1
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD11	12	0.1
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD12	12	0.1
(4,3055)	1:36:A:LYS:HD3	1:29:A:ILE:HD13	12	0.1
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD2	12	0.1
(4,3054)	1:29:A:ILE:HD11	1:36:A:LYS:HD3	12	0.1
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD2	12	0.1
(4,3054)	1:29:A:ILE:HD12	1:36:A:LYS:HD3	12	0.1
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD2	12	0.1
(4,3054)	1:29:A:ILE:HD13	1:36:A:LYS:HD3	12	0.1
(4,3047)	1:37:A:PRO:HD3	1:36:A:LYS:HA	11	0.1
(4,3047)	1:37:A:PRO:HD3	1:36:A:LYS:HA	12	0.1
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG2	18	0.1
(4,3028)	1:117:A:TRP:HZ3	1:85:A:PRO:HG3	18	0.1
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD2	13	0.1
(4,3024)	1:121:A:GLN:HE21	1:120:A:PRO:HD3	13	0.1
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD2	13	0.1
(4,3024)	1:121:A:GLN:HE22	1:120:A:PRO:HD3	13	0.1
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	13	0.1
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	13	0.1
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	13	0.1
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	13	0.1
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2977)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	14	0.1
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	14	0.1
(4,2977)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	14	0.1
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	13	0.1
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	13	0.1
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	13	0.1
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	13	0.1
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	14	0.1
(4,2976)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	14	0.1
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	14	0.1
(4,2976)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	14	0.1
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	13	0.1
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	13	0.1
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	13	0.1
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	13	0.1
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD2	14	0.1
(4,2968)	1:139:A:PRO:HG2	1:139:A:PRO:HD3	14	0.1
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD2	14	0.1
(4,2968)	1:139:A:PRO:HG3	1:139:A:PRO:HD3	14	0.1
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	13	0.1
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	13	0.1
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	13	0.1
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	13	0.1
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG2	14	0.1
(4,2967)	1:139:A:PRO:HD2	1:139:A:PRO:HG3	14	0.1
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG2	14	0.1
(4,2967)	1:139:A:PRO:HD3	1:139:A:PRO:HG3	14	0.1
(4,2953)	1:20:A:LEU:HD11	1:81:A:PRO:HD2	8	0.1
(4,2953)	1:20:A:LEU:HD11	1:81:A:PRO:HD3	8	0.1
(4,2953)	1:20:A:LEU:HD12	1:81:A:PRO:HD2	8	0.1
(4,2953)	1:20:A:LEU:HD12	1:81:A:PRO:HD3	8	0.1
(4,2953)	1:20:A:LEU:HD13	1:81:A:PRO:HD2	8	0.1
(4,2953)	1:20:A:LEU:HD13	1:81:A:PRO:HD3	8	0.1
(4,2953)	1:20:A:LEU:HD21	1:81:A:PRO:HD2	8	0.1
(4,2953)	1:20:A:LEU:HD21	1:81:A:PRO:HD3	8	0.1
(4,2953)	1:20:A:LEU:HD22	1:81:A:PRO:HD2	8	0.1
(4,2953)	1:20:A:LEU:HD22	1:81:A:PRO:HD3	8	0.1
(4,2953)	1:20:A:LEU:HD23	1:81:A:PRO:HD2	8	0.1
(4,2953)	1:20:A:LEU:HD23	1:81:A:PRO:HD3	8	0.1
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD2	15	0.1
(4,2949)	1:81:A:PRO:HB2	1:81:A:PRO:HD3	15	0.1
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD2	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2949)	1:81:A:PRO:HB3	1:81:A:PRO:HD3	15	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	10	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	10	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	10	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	10	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	10	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	10	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	11	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	11	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	11	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	11	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	11	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	11	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG21	19	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG22	19	0.1
(4,2932)	1:113:A:TYR:HE1	1:130:A:VAL:HG23	19	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG21	19	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG22	19	0.1
(4,2932)	1:113:A:TYR:HE2	1:130:A:VAL:HG23	19	0.1
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	2	0.1
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	2	0.1
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	8	0.1
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	8	0.1
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	11	0.1
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	11	0.1
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	14	0.1
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	14	0.1
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	16	0.1
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	16	0.1
(4,2925)	1:81:A:PRO:HB2	1:81:A:PRO:HA	19	0.1
(4,2925)	1:81:A:PRO:HB3	1:81:A:PRO:HA	19	0.1
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	2	0.1
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	2	0.1
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	8	0.1
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	8	0.1
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	11	0.1
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	11	0.1
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	14	0.1
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	14	0.1
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	16	0.1
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	16	0.1
(4,2924)	1:81:A:PRO:HB2	1:81:A:PRO:HA	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2924)	1:81:A:PRO:HB3	1:81:A:PRO:HA	19	0.1
(4,2901)	1:142:A:PHE:HD1	1:144:A:ARG:HA	1	0.1
(4,2901)	1:142:A:PHE:HD2	1:144:A:ARG:HA	1	0.1
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG11	4	0.1
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG12	4	0.1
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG13	4	0.1
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG21	4	0.1
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG22	4	0.1
(4,2881)	1:95:A:MET:HE1	1:141:A:VAL:HG23	4	0.1
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG11	4	0.1
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG12	4	0.1
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG13	4	0.1
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG21	4	0.1
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG22	4	0.1
(4,2881)	1:95:A:MET:HE2	1:141:A:VAL:HG23	4	0.1
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG11	4	0.1
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG12	4	0.1
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG13	4	0.1
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG21	4	0.1
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG22	4	0.1
(4,2881)	1:95:A:MET:HE3	1:141:A:VAL:HG23	4	0.1
(4,2864)	1:138:A:GLU:HG2	1:137:A:ASP:HA	18	0.1
(4,2864)	1:138:A:GLU:HG3	1:137:A:ASP:HA	18	0.1
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	20	0.1
(4,2857)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	20	0.1
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	20	0.1
(4,2857)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	20	0.1
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	20	0.1
(4,2857)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	20	0.1
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	20	0.1
(4,2857)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	20	0.1
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	20	0.1
(4,2857)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	20	0.1
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	20	0.1
(4,2857)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	20	0.1
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG12	11	0.1
(4,2801)	1:128:A:ILE:HG21	1:132:A:ILE:HG13	11	0.1
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG12	11	0.1
(4,2801)	1:128:A:ILE:HG22	1:132:A:ILE:HG13	11	0.1
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG12	11	0.1
(4,2801)	1:128:A:ILE:HG23	1:132:A:ILE:HG13	11	0.1
(4,2799)	1:133:A:VAL:H	1:132:A:ILE:HB	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2794)	1:128:A:ILE:HG21	1:132:A:ILE:HB	17	0.1
(4,2794)	1:128:A:ILE:HG22	1:132:A:ILE:HB	17	0.1
(4,2794)	1:128:A:ILE:HG23	1:132:A:ILE:HB	17	0.1
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE1	4	0.1
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE2	4	0.1
(4,2779)	1:128:A:ILE:HA	1:131:A:MET:HE3	4	0.1
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE1	4	0.1
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE2	4	0.1
(4,2778)	1:39:A:LEU:HA	1:11:A:MET:HE3	4	0.1
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE1	10	0.1
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE2	10	0.1
(4,2775)	1:111:A:LEU:HD21	1:131:A:MET:HE3	10	0.1
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE1	10	0.1
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE2	10	0.1
(4,2775)	1:111:A:LEU:HD22	1:131:A:MET:HE3	10	0.1
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE1	10	0.1
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE2	10	0.1
(4,2775)	1:111:A:LEU:HD23	1:131:A:MET:HE3	10	0.1
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	6	0.1
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	6	0.1
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	6	0.1
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	6	0.1
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	6	0.1
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	6	0.1
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	6	0.1
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	6	0.1
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	6	0.1
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD11	11	0.1
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD12	11	0.1
(4,2774)	1:131:A:MET:HE1	1:109:A:ILE:HD13	11	0.1
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD11	11	0.1
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD12	11	0.1
(4,2774)	1:131:A:MET:HE2	1:109:A:ILE:HD13	11	0.1
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD11	11	0.1
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD12	11	0.1
(4,2774)	1:131:A:MET:HE3	1:109:A:ILE:HD13	11	0.1
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG11	13	0.1
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG12	13	0.1
(4,2745)	1:113:A:TYR:HB2	1:130:A:VAL:HG13	13	0.1
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG11	13	0.1
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG12	13	0.1
(4,2745)	1:113:A:TYR:HB3	1:130:A:VAL:HG13	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2743)	1:131:A:MET:H	1:130:A:VAL:HB	4	0.1
(4,2662)	1:130:A:VAL:H	1:127:A:LEU:HA	1	0.1
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD11	20	0.1
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD12	20	0.1
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD13	20	0.1
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD21	20	0.1
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD22	20	0.1
(4,2629)	1:117:A:TRP:HH2	1:124:A:LEU:HD23	20	0.1
(4,2616)	1:127:A:LEU:HG	1:124:A:LEU:HA	12	0.1
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB2	17	0.1
(4,2610)	1:113:A:TYR:HE1	1:122:A:SER:HB3	17	0.1
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB2	17	0.1
(4,2610)	1:113:A:TYR:HE2	1:122:A:SER:HB3	17	0.1
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB2	5	0.1
(4,2566)	1:116:A:GLU:HG2	1:115:A:HIS:HB3	5	0.1
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB2	5	0.1
(4,2566)	1:116:A:GLU:HG3	1:115:A:HIS:HB3	5	0.1
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD11	5	0.1
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD12	5	0.1
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD13	5	0.1
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD21	5	0.1
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD22	5	0.1
(4,2555)	1:117:A:TRP:HE3	1:114:A:LEU:HD23	5	0.1
(4,2551)	1:114:A:LEU:HA	1:114:A:LEU:HB2	6	0.1
(4,2551)	1:114:A:LEU:HA	1:114:A:LEU:HB3	6	0.1
(4,2550)	1:114:A:LEU:HB2	1:114:A:LEU:HA	6	0.1
(4,2550)	1:114:A:LEU:HB3	1:114:A:LEU:HA	6	0.1
(4,2545)	1:117:A:TRP:HB2	1:114:A:LEU:HA	20	0.1
(4,2545)	1:117:A:TRP:HB3	1:114:A:LEU:HA	20	0.1
(4,2521)	1:116:A:GLU:HB2	1:113:A:TYR:HA	7	0.1
(4,2521)	1:116:A:GLU:HB3	1:113:A:TYR:HA	7	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	5	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	5	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	5	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	5	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	9	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	9	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	9	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	9	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	10	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	10	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	10	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	12	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	12	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	12	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	12	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	16	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	16	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	16	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	16	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	17	0.1
(4,2517)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	17	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	17	0.1
(4,2517)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	17	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	5	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	5	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	5	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	5	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	9	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	9	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	9	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	9	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	10	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	10	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	10	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	10	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	12	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	12	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	12	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	12	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	16	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	16	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	16	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	16	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	17	0.1
(4,2516)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	17	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	17	0.1
(4,2516)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	17	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	5	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	5	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	5	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	5	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	9	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	9	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	9	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	10	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	10	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	10	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	10	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	12	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	12	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	12	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	12	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	16	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	16	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	16	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	16	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD2	17	0.1
(4,2505)	1:112:A:PRO:HG2	1:112:A:PRO:HD3	17	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD2	17	0.1
(4,2505)	1:112:A:PRO:HG3	1:112:A:PRO:HD3	17	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	5	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	5	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	5	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	5	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	9	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	9	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	9	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	9	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	10	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	10	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	10	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	10	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	12	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	12	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	12	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	12	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	16	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	16	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	16	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	16	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG2	17	0.1
(4,2504)	1:112:A:PRO:HD2	1:112:A:PRO:HG3	17	0.1
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG2	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2504)	1:112:A:PRO:HD3	1:112:A:PRO:HG3	17	0.1
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	10	0.1
(4,2496)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	10	0.1
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	10	0.1
(4,2496)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	10	0.1
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG2	10	0.1
(4,2495)	1:112:A:PRO:HB2	1:112:A:PRO:HG3	10	0.1
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG2	10	0.1
(4,2495)	1:112:A:PRO:HB3	1:112:A:PRO:HG3	10	0.1
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB2	3	0.1
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB3	3	0.1
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB2	4	0.1
(4,2494)	1:112:A:PRO:HA	1:112:A:PRO:HB3	4	0.1
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	10	0.1
(4,2493)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	10	0.1
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	10	0.1
(4,2493)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	10	0.1
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB2	10	0.1
(4,2491)	1:112:A:PRO:HG2	1:112:A:PRO:HB3	10	0.1
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB2	10	0.1
(4,2491)	1:112:A:PRO:HG3	1:112:A:PRO:HB3	10	0.1
(4,2487)	1:112:A:PRO:HB2	1:112:A:PRO:HA	3	0.1
(4,2487)	1:112:A:PRO:HB3	1:112:A:PRO:HA	3	0.1
(4,2487)	1:112:A:PRO:HB2	1:112:A:PRO:HA	4	0.1
(4,2487)	1:112:A:PRO:HB3	1:112:A:PRO:HA	4	0.1
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD11	19	0.1
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD12	19	0.1
(4,2471)	1:32:A:TYR:HE1	1:132:A:ILE:HD13	19	0.1
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD11	19	0.1
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD12	19	0.1
(4,2471)	1:32:A:TYR:HE2	1:132:A:ILE:HD13	19	0.1
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG21	6	0.1
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG22	6	0.1
(4,2458)	1:113:A:TYR:HE1	1:109:A:ILE:HG23	6	0.1
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG21	6	0.1
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG22	6	0.1
(4,2458)	1:113:A:TYR:HE2	1:109:A:ILE:HG23	6	0.1
(4,2437)	1:107:A:GLY:HA2	1:89:A:VAL:HB	6	0.1
(4,2437)	1:107:A:GLY:HA3	1:89:A:VAL:HB	6	0.1
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD1	19	0.1
(4,2425)	1:103:A:VAL:HG21	1:135:A:PHE:HD2	19	0.1
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD1	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2425)	1:103:A:VAL:HG22	1:135:A:PHE:HD2	19	0.1
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD1	19	0.1
(4,2425)	1:103:A:VAL:HG23	1:135:A:PHE:HD2	19	0.1
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG2	16	0.1
(4,2420)	1:103:A:VAL:HG21	1:140:A:PRO:HG3	16	0.1
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG2	16	0.1
(4,2420)	1:103:A:VAL:HG22	1:140:A:PRO:HG3	16	0.1
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG2	16	0.1
(4,2420)	1:103:A:VAL:HG23	1:140:A:PRO:HG3	16	0.1
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB2	15	0.1
(4,2402)	1:102:A:HIS:HA	1:110:A:TYR:HB3	15	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	1	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	1	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	7	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	7	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	14	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	14	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	18	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	18	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG12	19	0.1
(4,2386)	1:128:A:ILE:H	1:128:A:ILE:HG13	19	0.1
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG11	12	0.1
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG12	12	0.1
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG13	12	0.1
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG21	12	0.1
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG22	12	0.1
(4,2382)	1:97:A:ILE:HA	1:141:A:VAL:HG23	12	0.1
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG2	17	0.1
(4,2338)	1:92:A:THR:HG21	1:71:A:PRO:HG3	17	0.1
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG2	17	0.1
(4,2338)	1:92:A:THR:HG22	1:71:A:PRO:HG3	17	0.1
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG2	17	0.1
(4,2338)	1:92:A:THR:HG23	1:71:A:PRO:HG3	17	0.1
(4,2319)	1:97:A:ILE:HD11	1:91:A:PRO:HA	16	0.1
(4,2319)	1:97:A:ILE:HD12	1:91:A:PRO:HA	16	0.1
(4,2319)	1:97:A:ILE:HD13	1:91:A:PRO:HA	16	0.1
(4,2314)	1:89:A:VAL:H	1:89:A:VAL:HB	4	0.1
(4,2314)	1:89:A:VAL:H	1:89:A:VAL:HB	10	0.1
(4,2305)	1:89:A:VAL:HG11	1:88:A:PHE:HA	7	0.1
(4,2305)	1:89:A:VAL:HG12	1:88:A:PHE:HA	7	0.1
(4,2305)	1:89:A:VAL:HG13	1:88:A:PHE:HA	7	0.1
(4,2305)	1:89:A:VAL:HG21	1:88:A:PHE:HA	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2305)	1:89:A:VAL:HG22	1:88:A:PHE:HA	7	0.1
(4,2305)	1:89:A:VAL:HG23	1:88:A:PHE:HA	7	0.1
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	3	0.1
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	3	0.1
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	3	0.1
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	3	0.1
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	3	0.1
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	3	0.1
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD11	7	0.1
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD12	7	0.1
(4,2294)	1:87:A:CYS:HB2	1:109:A:ILE:HD13	7	0.1
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD11	7	0.1
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD12	7	0.1
(4,2294)	1:87:A:CYS:HB3	1:109:A:ILE:HD13	7	0.1
(4,2291)	1:75:A:TRP:H	1:87:A:CYS:HA	13	0.1
(4,2287)	1:74:A:LEU:HG	1:87:A:CYS:HA	1	0.1
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB2	14	0.1
(4,2281)	1:86:A:ILE:HG21	1:75:A:TRP:HB3	14	0.1
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB2	14	0.1
(4,2281)	1:86:A:ILE:HG22	1:75:A:TRP:HB3	14	0.1
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB2	14	0.1
(4,2281)	1:86:A:ILE:HG23	1:75:A:TRP:HB3	14	0.1
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB2	7	0.1
(4,2253)	1:83:A:ASN:HB2	1:85:A:PRO:HB3	7	0.1
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB2	7	0.1
(4,2253)	1:83:A:ASN:HB3	1:85:A:PRO:HB3	7	0.1
(4,2249)	1:84:A:PRO:HD2	1:83:A:ASN:HA	12	0.1
(4,2249)	1:84:A:PRO:HD3	1:83:A:ASN:HA	12	0.1
(4,2247)	1:77:A:LEU:HD11	1:83:A:ASN:HA	15	0.1
(4,2247)	1:77:A:LEU:HD12	1:83:A:ASN:HA	15	0.1
(4,2247)	1:77:A:LEU:HD13	1:83:A:ASN:HA	15	0.1
(4,2247)	1:77:A:LEU:HD21	1:83:A:ASN:HA	15	0.1
(4,2247)	1:77:A:LEU:HD22	1:83:A:ASN:HA	15	0.1
(4,2247)	1:77:A:LEU:HD23	1:83:A:ASN:HA	15	0.1
(4,2242)	1:97:A:ILE:HG21	1:99:A:THR:HA	10	0.1
(4,2242)	1:97:A:ILE:HG22	1:99:A:THR:HA	10	0.1
(4,2242)	1:97:A:ILE:HG23	1:99:A:THR:HA	10	0.1
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG21	17	0.1
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG22	17	0.1
(4,2235)	1:79:A:THR:H	1:79:A:THR:HG23	17	0.1
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	11	0.1
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	13	0.1
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	13	0.1
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB2	15	0.1
(4,2222)	1:79:A:THR:HB	1:82:A:TYR:HB3	15	0.1
(4,2215)	1:79:A:THR:HA	1:17:A:TYR:HE1	12	0.1
(4,2215)	1:79:A:THR:HA	1:17:A:TYR:HE2	12	0.1
(4,2214)	1:16:A:LYS:HA	1:79:A:THR:HA	20	0.1
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	16	0.1
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	16	0.1
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	16	0.1
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	16	0.1
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	16	0.1
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	16	0.1
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	16	0.1
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	16	0.1
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	16	0.1
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	16	0.1
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	16	0.1
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	16	0.1
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG2	18	0.1
(4,2167)	1:76:A:LEU:HD11	1:85:A:PRO:HG3	18	0.1
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG2	18	0.1
(4,2167)	1:76:A:LEU:HD12	1:85:A:PRO:HG3	18	0.1
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG2	18	0.1
(4,2167)	1:76:A:LEU:HD13	1:85:A:PRO:HG3	18	0.1
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG2	18	0.1
(4,2167)	1:76:A:LEU:HD21	1:85:A:PRO:HG3	18	0.1
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG2	18	0.1
(4,2167)	1:76:A:LEU:HD22	1:85:A:PRO:HG3	18	0.1
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG2	18	0.1
(4,2167)	1:76:A:LEU:HD23	1:85:A:PRO:HG3	18	0.1
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD11	6	0.1
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD12	6	0.1
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD13	6	0.1
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD21	6	0.1
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD22	6	0.1
(4,2165)	1:76:A:LEU:HD11	1:124:A:LEU:HD23	6	0.1
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD11	6	0.1
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD12	6	0.1
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD13	6	0.1
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD21	6	0.1
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD22	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2165)	1:76:A:LEU:HD12	1:124:A:LEU:HD23	6	0.1
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD11	6	0.1
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD12	6	0.1
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD13	6	0.1
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD21	6	0.1
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD22	6	0.1
(4,2165)	1:76:A:LEU:HD13	1:124:A:LEU:HD23	6	0.1
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD11	6	0.1
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD12	6	0.1
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD13	6	0.1
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD21	6	0.1
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD22	6	0.1
(4,2165)	1:76:A:LEU:HD21	1:124:A:LEU:HD23	6	0.1
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD11	6	0.1
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD12	6	0.1
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD13	6	0.1
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD21	6	0.1
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD22	6	0.1
(4,2165)	1:76:A:LEU:HD22	1:124:A:LEU:HD23	6	0.1
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD11	6	0.1
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD12	6	0.1
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD13	6	0.1
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD21	6	0.1
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD22	6	0.1
(4,2165)	1:76:A:LEU:HD23	1:124:A:LEU:HD23	6	0.1
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	8	0.1
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	8	0.1
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB2	13	0.1
(4,2158)	1:76:A:LEU:H	1:76:A:LEU:HB3	13	0.1
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	8	0.1
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	8	0.1
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB2	13	0.1
(4,2157)	1:76:A:LEU:H	1:76:A:LEU:HB3	13	0.1
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB2	1	0.1
(4,2154)	1:21:A:THR:HG21	1:76:A:LEU:HB3	1	0.1
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB2	1	0.1
(4,2154)	1:21:A:THR:HG22	1:76:A:LEU:HB3	1	0.1
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB2	1	0.1
(4,2154)	1:21:A:THR:HG23	1:76:A:LEU:HB3	1	0.1
(4,2150)	1:85:A:PRO:HB2	1:76:A:LEU:HA	10	0.1
(4,2150)	1:85:A:PRO:HB3	1:76:A:LEU:HA	10	0.1
(4,2135)	1:76:A:LEU:HD11	1:74:A:LEU:HD11	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2135)	1:76:A:LEU:HD11	1:74:A:LEU:HD12	4	0.1
(4,2135)	1:76:A:LEU:HD11	1:74:A:LEU:HD13	4	0.1
(4,2135)	1:76:A:LEU:HD11	1:74:A:LEU:HD21	4	0.1
(4,2135)	1:76:A:LEU:HD11	1:74:A:LEU:HD22	4	0.1
(4,2135)	1:76:A:LEU:HD11	1:74:A:LEU:HD23	4	0.1
(4,2135)	1:76:A:LEU:HD12	1:74:A:LEU:HD11	4	0.1
(4,2135)	1:76:A:LEU:HD12	1:74:A:LEU:HD12	4	0.1
(4,2135)	1:76:A:LEU:HD12	1:74:A:LEU:HD13	4	0.1
(4,2135)	1:76:A:LEU:HD12	1:74:A:LEU:HD21	4	0.1
(4,2135)	1:76:A:LEU:HD12	1:74:A:LEU:HD22	4	0.1
(4,2135)	1:76:A:LEU:HD12	1:74:A:LEU:HD23	4	0.1
(4,2135)	1:76:A:LEU:HD13	1:74:A:LEU:HD11	4	0.1
(4,2135)	1:76:A:LEU:HD13	1:74:A:LEU:HD12	4	0.1
(4,2135)	1:76:A:LEU:HD13	1:74:A:LEU:HD13	4	0.1
(4,2135)	1:76:A:LEU:HD13	1:74:A:LEU:HD21	4	0.1
(4,2135)	1:76:A:LEU:HD13	1:74:A:LEU:HD22	4	0.1
(4,2135)	1:76:A:LEU:HD13	1:74:A:LEU:HD23	4	0.1
(4,2135)	1:76:A:LEU:HD21	1:74:A:LEU:HD11	4	0.1
(4,2135)	1:76:A:LEU:HD21	1:74:A:LEU:HD12	4	0.1
(4,2135)	1:76:A:LEU:HD21	1:74:A:LEU:HD13	4	0.1
(4,2135)	1:76:A:LEU:HD21	1:74:A:LEU:HD21	4	0.1
(4,2135)	1:76:A:LEU:HD21	1:74:A:LEU:HD22	4	0.1
(4,2135)	1:76:A:LEU:HD21	1:74:A:LEU:HD23	4	0.1
(4,2135)	1:76:A:LEU:HD22	1:74:A:LEU:HD11	4	0.1
(4,2135)	1:76:A:LEU:HD22	1:74:A:LEU:HD12	4	0.1
(4,2135)	1:76:A:LEU:HD22	1:74:A:LEU:HD13	4	0.1
(4,2135)	1:76:A:LEU:HD22	1:74:A:LEU:HD21	4	0.1
(4,2135)	1:76:A:LEU:HD22	1:74:A:LEU:HD22	4	0.1
(4,2135)	1:76:A:LEU:HD22	1:74:A:LEU:HD23	4	0.1
(4,2135)	1:76:A:LEU:HD23	1:74:A:LEU:HD11	4	0.1
(4,2135)	1:76:A:LEU:HD23	1:74:A:LEU:HD12	4	0.1
(4,2135)	1:76:A:LEU:HD23	1:74:A:LEU:HD13	4	0.1
(4,2135)	1:76:A:LEU:HD23	1:74:A:LEU:HD21	4	0.1
(4,2135)	1:76:A:LEU:HD23	1:74:A:LEU:HD22	4	0.1
(4,2135)	1:76:A:LEU:HD23	1:74:A:LEU:HD23	4	0.1
(4,2106)	1:87:A:CYS:HA	1:74:A:LEU:HA	20	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	4	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	4	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	4	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	8	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	8	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	15	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	15	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	15	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	18	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	18	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	18	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD11	20	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD12	20	0.1
(4,2097)	1:72:A:ILE:HB	1:72:A:ILE:HD13	20	0.1
(4,2084)	1:35:A:LEU:HD11	1:72:A:ILE:HG12	18	0.1
(4,2084)	1:35:A:LEU:HD11	1:72:A:ILE:HG13	18	0.1
(4,2084)	1:35:A:LEU:HD12	1:72:A:ILE:HG12	18	0.1
(4,2084)	1:35:A:LEU:HD12	1:72:A:ILE:HG13	18	0.1
(4,2084)	1:35:A:LEU:HD13	1:72:A:ILE:HG12	18	0.1
(4,2084)	1:35:A:LEU:HD13	1:72:A:ILE:HG13	18	0.1
(4,2084)	1:35:A:LEU:HD21	1:72:A:ILE:HG12	18	0.1
(4,2084)	1:35:A:LEU:HD21	1:72:A:ILE:HG13	18	0.1
(4,2084)	1:35:A:LEU:HD22	1:72:A:ILE:HG12	18	0.1
(4,2084)	1:35:A:LEU:HD22	1:72:A:ILE:HG13	18	0.1
(4,2084)	1:35:A:LEU:HD23	1:72:A:ILE:HG12	18	0.1
(4,2084)	1:35:A:LEU:HD23	1:72:A:ILE:HG13	18	0.1
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	8	0.1
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	8	0.1
(4,2082)	1:72:A:ILE:HG12	1:72:A:ILE:H	16	0.1
(4,2082)	1:72:A:ILE:HG13	1:72:A:ILE:H	16	0.1
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	1	0.1
(4,2080)	1:72:A:ILE:HB	1:73:A:CYS:H	13	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	1	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	1	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	1	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	1	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	5	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	5	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	5	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	5	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	7	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	7	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	7	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	7	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	8	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	8	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	8	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	9	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	9	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	9	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	9	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	13	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	13	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	13	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	13	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	15	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	15	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	15	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	15	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	16	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	16	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	16	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	16	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	17	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	17	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	17	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	17	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	18	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	18	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	18	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	18	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	20	0.1
(4,2074)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	20	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	20	0.1
(4,2074)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	20	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	1	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	1	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	1	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	1	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	5	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	5	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	5	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	5	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	7	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	7	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	7	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	7	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	8	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	8	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	8	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	9	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	9	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	9	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	9	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	13	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	13	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	13	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	13	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	15	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	15	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	15	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	15	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	16	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	16	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	16	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	16	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	17	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	17	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	17	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	17	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	18	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	18	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	18	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	18	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	20	0.1
(4,2073)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	20	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	20	0.1
(4,2073)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	20	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	1	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	1	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	1	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	1	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	5	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	5	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	5	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	5	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	7	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	7	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	7	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	8	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	8	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	8	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	8	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	9	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	9	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	9	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	9	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	13	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	13	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	13	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	13	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	15	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	15	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	15	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	15	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	16	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	16	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	16	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	16	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	17	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	17	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	17	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	17	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	18	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	18	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	18	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	18	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG2	20	0.1
(4,2072)	1:71:A:PRO:HD2	1:71:A:PRO:HG3	20	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG2	20	0.1
(4,2072)	1:71:A:PRO:HD3	1:71:A:PRO:HG3	20	0.1
(4,2065)	1:71:A:PRO:HA	1:71:A:PRO:HB2	14	0.1
(4,2065)	1:71:A:PRO:HA	1:71:A:PRO:HB3	14	0.1
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD11	10	0.1
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD12	10	0.1
(4,2058)	1:68:A:TYR:HE1	1:70:A:ILE:HD13	10	0.1
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD11	10	0.1
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD12	10	0.1
(4,2058)	1:68:A:TYR:HE2	1:70:A:ILE:HD13	10	0.1
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG21	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG22	1	0.1
(4,2043)	1:58:A:THR:HG21	1:70:A:ILE:HG23	1	0.1
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG21	1	0.1
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG22	1	0.1
(4,2043)	1:58:A:THR:HG22	1:70:A:ILE:HG23	1	0.1
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG21	1	0.1
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG22	1	0.1
(4,2043)	1:58:A:THR:HG23	1:70:A:ILE:HG23	1	0.1
(4,2036)	1:131:A:MET:HG2	1:70:A:ILE:HB	17	0.1
(4,2036)	1:131:A:MET:HG3	1:70:A:ILE:HB	17	0.1
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	2	0.1
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	2	0.1
(4,2019)	1:69:A:ASN:HB2	1:69:A:ASN:HA	10	0.1
(4,2019)	1:69:A:ASN:HB3	1:69:A:ASN:HA	10	0.1
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG21	18	0.1
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG22	18	0.1
(4,1999)	1:62:A:PRO:HA	1:67:A:THR:HG23	18	0.1
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG11	17	0.1
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG12	17	0.1
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG13	17	0.1
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG21	17	0.1
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG22	17	0.1
(4,1962)	1:132:A:ILE:HA	1:61:A:VAL:HG23	17	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	1	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	1	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	8	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	8	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	14	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	14	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD2	19	0.1
(4,1943)	1:59:A:ILE:HA	1:60:A:PRO:HD3	19	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	2	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	2	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	13	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	13	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	15	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	15	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD2	20	0.1
(4,1934)	1:59:A:ILE:HB	1:60:A:PRO:HD3	20	0.1
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	1	0.1
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	1	0.1
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	1	0.1
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	1	0.1
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	1	0.1
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD2	20	0.1
(4,1929)	1:59:A:ILE:HG21	1:60:A:PRO:HD3	20	0.1
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD2	20	0.1
(4,1929)	1:59:A:ILE:HG22	1:60:A:PRO:HD3	20	0.1
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD2	20	0.1
(4,1929)	1:59:A:ILE:HG23	1:60:A:PRO:HD3	20	0.1
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	3	0.1
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	3	0.1
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB2	17	0.1
(4,1917)	1:61:A:VAL:H	1:60:A:PRO:HB3	17	0.1
(4,1906)	1:69:A:ASN:HA	1:60:A:PRO:HA	9	0.1
(4,1906)	1:69:A:ASN:HA	1:60:A:PRO:HA	10	0.1
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG21	9	0.1
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG22	9	0.1
(4,1877)	1:132:A:ILE:HD11	1:59:A:ILE:HG23	9	0.1
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG21	9	0.1
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG22	9	0.1
(4,1877)	1:132:A:ILE:HD12	1:59:A:ILE:HG23	9	0.1
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG21	9	0.1
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG22	9	0.1
(4,1877)	1:132:A:ILE:HD13	1:59:A:ILE:HG23	9	0.1
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	2	0.1
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	2	0.1
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	13	0.1
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	13	0.1
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	15	0.1
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	15	0.1
(4,1870)	1:60:A:PRO:HD2	1:59:A:ILE:HB	20	0.1
(4,1870)	1:60:A:PRO:HD3	1:59:A:ILE:HB	20	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	5	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	5	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	5	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	6	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	6	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	6	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	10	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	10	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	10	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD11	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD12	13	0.1
(4,1869)	1:59:A:ILE:HB	1:132:A:ILE:HD13	13	0.1
(4,1835)	1:57:A:GLY:HA2	1:36:A:LYS:H	2	0.1
(4,1835)	1:57:A:GLY:HA3	1:36:A:LYS:H	2	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	5	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	5	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	5	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	5	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	5	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	5	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	7	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	7	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	7	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	7	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	7	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	7	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG21	12	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG22	12	0.1
(4,1829)	1:57:A:GLY:HA2	1:56:A:THR:HG23	12	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG21	12	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG22	12	0.1
(4,1829)	1:57:A:GLY:HA3	1:56:A:THR:HG23	12	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	5	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	5	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	5	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	5	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	5	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	5	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	7	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	7	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	7	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	7	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	7	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	7	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG21	12	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG22	12	0.1
(4,1828)	1:57:A:GLY:HA2	1:56:A:THR:HG23	12	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG21	12	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG22	12	0.1
(4,1828)	1:57:A:GLY:HA3	1:56:A:THR:HG23	12	0.1
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	8	0.1
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	8	0.1
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	8	0.1
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	8	0.1
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	8	0.1
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA2	16	0.1
(4,1827)	1:58:A:THR:HG21	1:57:A:GLY:HA3	16	0.1
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA2	16	0.1
(4,1827)	1:58:A:THR:HG22	1:57:A:GLY:HA3	16	0.1
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA2	16	0.1
(4,1827)	1:58:A:THR:HG23	1:57:A:GLY:HA3	16	0.1
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	8	0.1
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	8	0.1
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	8	0.1
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	8	0.1
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	8	0.1
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	8	0.1
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA2	16	0.1
(4,1826)	1:58:A:THR:HG21	1:57:A:GLY:HA3	16	0.1
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA2	16	0.1
(4,1826)	1:58:A:THR:HG22	1:57:A:GLY:HA3	16	0.1
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA2	16	0.1
(4,1826)	1:58:A:THR:HG23	1:57:A:GLY:HA3	16	0.1
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG21	17	0.1
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG22	17	0.1
(4,1821)	1:38:A:VAL:HG11	1:56:A:THR:HG23	17	0.1
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG21	17	0.1
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG22	17	0.1
(4,1821)	1:38:A:VAL:HG12	1:56:A:THR:HG23	17	0.1
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG21	17	0.1
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG22	17	0.1
(4,1821)	1:38:A:VAL:HG13	1:56:A:THR:HG23	17	0.1
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG21	17	0.1
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG22	17	0.1
(4,1821)	1:38:A:VAL:HG21	1:56:A:THR:HG23	17	0.1
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG21	17	0.1
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG22	17	0.1
(4,1821)	1:38:A:VAL:HG22	1:56:A:THR:HG23	17	0.1
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG21	17	0.1
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG22	17	0.1
(4,1821)	1:38:A:VAL:HG23	1:56:A:THR:HG23	17	0.1
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG2	2	0.1
(4,1789)	1:36:A:LYS:HA	1:36:A:LYS:HG3	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	11	0.1
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	13	0.1
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	14	0.1
(4,1784)	1:56:A:THR:H	1:55:A:LEU:HA	16	0.1
(4,1776)	1:56:A:THR:H	1:54:A:ASN:HA	19	0.1
(4,1701)	1:52:A:LEU:H	1:41:A:SER:HA	18	0.1
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB2	16	0.1
(4,1696)	1:75:A:TRP:HZ2	1:40:A:ASP:HB3	16	0.1
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG11	19	0.1
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG12	19	0.1
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG13	19	0.1
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG21	19	0.1
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG22	19	0.1
(4,1693)	1:40:A:ASP:HB2	1:38:A:VAL:HG23	19	0.1
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG11	19	0.1
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG12	19	0.1
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG13	19	0.1
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG21	19	0.1
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG22	19	0.1
(4,1693)	1:40:A:ASP:HB3	1:38:A:VAL:HG23	19	0.1
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE1	5	0.1
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE2	5	0.1
(4,1676)	1:39:A:LEU:HG	1:11:A:MET:HE3	5	0.1
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG11	17	0.1
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG12	17	0.1
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG13	17	0.1
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG21	17	0.1
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG22	17	0.1
(4,1666)	1:38:A:VAL:H	1:38:A:VAL:HG23	17	0.1
(4,1663)	1:39:A:LEU:HB2	1:38:A:VAL:HB	1	0.1
(4,1663)	1:39:A:LEU:HB3	1:38:A:VAL:HB	1	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	12	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	12	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	12	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	12	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	12	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	12	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	12	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	12	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	12	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	12	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	12	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD11	14	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD12	14	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD13	14	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD21	14	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD22	14	0.1
(4,1655)	1:32:A:TYR:HB2	1:35:A:LEU:HD23	14	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD11	14	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD12	14	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD13	14	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD21	14	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD22	14	0.1
(4,1655)	1:32:A:TYR:HB3	1:35:A:LEU:HD23	14	0.1
(4,1654)	1:35:A:LEU:HD11	1:74:A:LEU:HG	1	0.1
(4,1654)	1:35:A:LEU:HD12	1:74:A:LEU:HG	1	0.1
(4,1654)	1:35:A:LEU:HD13	1:74:A:LEU:HG	1	0.1
(4,1654)	1:35:A:LEU:HD21	1:74:A:LEU:HG	1	0.1
(4,1654)	1:35:A:LEU:HD22	1:74:A:LEU:HG	1	0.1
(4,1654)	1:35:A:LEU:HD23	1:74:A:LEU:HG	1	0.1
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD11	18	0.1
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD12	18	0.1
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD13	18	0.1
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD21	18	0.1
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD22	18	0.1
(4,1646)	1:28:A:VAL:HG21	1:35:A:LEU:HD23	18	0.1
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD11	18	0.1
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD12	18	0.1
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD13	18	0.1
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD21	18	0.1
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD22	18	0.1
(4,1646)	1:28:A:VAL:HG22	1:35:A:LEU:HD23	18	0.1
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD11	18	0.1
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD12	18	0.1
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD13	18	0.1
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD21	18	0.1
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD22	18	0.1
(4,1646)	1:28:A:VAL:HG23	1:35:A:LEU:HD23	18	0.1
(4,1605)	1:31:A:LEU:HB2	1:32:A:TYR:H	5	0.1
(4,1605)	1:31:A:LEU:HB3	1:32:A:TYR:H	5	0.1
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	10	0.1
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	10	0.1
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	10	0.1
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	10	0.1
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	10	0.1
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	10	0.1
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	10	0.1
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	10	0.1
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG21	17	0.1
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG22	17	0.1
(4,1558)	1:128:A:ILE:HG21	1:28:A:VAL:HG23	17	0.1
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG21	17	0.1
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG22	17	0.1
(4,1558)	1:128:A:ILE:HG22	1:28:A:VAL:HG23	17	0.1
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG21	17	0.1
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG22	17	0.1
(4,1558)	1:128:A:ILE:HG23	1:28:A:VAL:HG23	17	0.1
(4,1548)	1:128:A:ILE:HD11	1:28:A:VAL:HB	3	0.1
(4,1548)	1:128:A:ILE:HD12	1:28:A:VAL:HB	3	0.1
(4,1548)	1:128:A:ILE:HD13	1:28:A:VAL:HB	3	0.1
(4,1542)	1:125:A:LEU:HG	1:28:A:VAL:HA	19	0.1
(4,1532)	1:125:A:LEU:HA	1:27:A:ASN:HB2	19	0.1
(4,1532)	1:125:A:LEU:HA	1:27:A:ASN:HB3	19	0.1
(4,1488)	1:24:A:GLU:HB2	1:25:A:THR:HA	16	0.1
(4,1488)	1:24:A:GLU:HB3	1:25:A:THR:HA	16	0.1
(4,1479)	1:124:A:LEU:HD11	1:24:A:GLU:HG2	4	0.1
(4,1479)	1:124:A:LEU:HD11	1:24:A:GLU:HG3	4	0.1
(4,1479)	1:124:A:LEU:HD12	1:24:A:GLU:HG2	4	0.1
(4,1479)	1:124:A:LEU:HD12	1:24:A:GLU:HG3	4	0.1
(4,1479)	1:124:A:LEU:HD13	1:24:A:GLU:HG2	4	0.1
(4,1479)	1:124:A:LEU:HD13	1:24:A:GLU:HG3	4	0.1
(4,1479)	1:124:A:LEU:HD21	1:24:A:GLU:HG2	4	0.1
(4,1479)	1:124:A:LEU:HD21	1:24:A:GLU:HG3	4	0.1
(4,1479)	1:124:A:LEU:HD22	1:24:A:GLU:HG2	4	0.1
(4,1479)	1:124:A:LEU:HD22	1:24:A:GLU:HG3	4	0.1
(4,1479)	1:124:A:LEU:HD23	1:24:A:GLU:HG2	4	0.1
(4,1479)	1:124:A:LEU:HD23	1:24:A:GLU:HG3	4	0.1
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB2	3	0.1
(4,1473)	1:24:A:GLU:HB2	1:124:A:LEU:HB3	3	0.1
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB2	3	0.1
(4,1473)	1:24:A:GLU:HB3	1:124:A:LEU:HB3	3	0.1
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB2	5	0.1
(4,1464)	1:39:A:LEU:HD11	1:51:A:GLU:HB3	5	0.1
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1464)	1:39:A:LEU:HD12	1:51:A:GLU:HB3	5	0.1
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB2	5	0.1
(4,1464)	1:39:A:LEU:HD13	1:51:A:GLU:HB3	5	0.1
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB2	5	0.1
(4,1464)	1:39:A:LEU:HD21	1:51:A:GLU:HB3	5	0.1
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB2	5	0.1
(4,1464)	1:39:A:LEU:HD22	1:51:A:GLU:HB3	5	0.1
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB2	5	0.1
(4,1464)	1:39:A:LEU:HD23	1:51:A:GLU:HB3	5	0.1
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB2	18	0.1
(4,1463)	1:14:A:LYS:HG2	1:51:A:GLU:HB3	18	0.1
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB2	18	0.1
(4,1463)	1:14:A:LYS:HG3	1:51:A:GLU:HB3	18	0.1
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	4	0.1
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	4	0.1
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	19	0.1
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	19	0.1
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB2	20	0.1
(4,1461)	1:20:A:LEU:HA	1:23:A:ARG:HB3	20	0.1
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	7	0.1
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	9	0.1
(4,1444)	1:133:A:VAL:H	1:133:A:VAL:HB	15	0.1
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG2	10	0.1
(4,1441)	1:103:A:VAL:HG11	1:140:A:PRO:HG3	10	0.1
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG2	10	0.1
(4,1441)	1:103:A:VAL:HG12	1:140:A:PRO:HG3	10	0.1
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG2	10	0.1
(4,1441)	1:103:A:VAL:HG13	1:140:A:PRO:HG3	10	0.1
(4,1437)	1:12:A:VAL:HG11	1:21:A:THR:HB	1	0.1
(4,1437)	1:12:A:VAL:HG12	1:21:A:THR:HB	1	0.1
(4,1437)	1:12:A:VAL:HG13	1:21:A:THR:HB	1	0.1
(4,1427)	1:91:A:PRO:HD2	1:91:A:PRO:HG3	10	0.1
(4,1427)	1:91:A:PRO:HD3	1:91:A:PRO:HG3	10	0.1
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	11	0.1
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	11	0.1
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	11	0.1
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	11	0.1
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	11	0.1
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	11	0.1
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	11	0.1
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	11	0.1
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	11	0.1
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	11	0.1
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	11	0.1
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB2	13	0.1
(4,1412)	1:20:A:LEU:HD11	1:17:A:TYR:HB3	13	0.1
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB2	13	0.1
(4,1412)	1:20:A:LEU:HD12	1:17:A:TYR:HB3	13	0.1
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB2	13	0.1
(4,1412)	1:20:A:LEU:HD13	1:17:A:TYR:HB3	13	0.1
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB2	13	0.1
(4,1412)	1:20:A:LEU:HD21	1:17:A:TYR:HB3	13	0.1
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB2	13	0.1
(4,1412)	1:20:A:LEU:HD22	1:17:A:TYR:HB3	13	0.1
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB2	13	0.1
(4,1412)	1:20:A:LEU:HD23	1:17:A:TYR:HB3	13	0.1
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD2	13	0.1
(4,1406)	1:20:A:LEU:HB2	1:81:A:PRO:HD3	13	0.1
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD2	13	0.1
(4,1406)	1:20:A:LEU:HB3	1:81:A:PRO:HD3	13	0.1
(4,1396)	1:20:A:LEU:HA	1:20:A:LEU:HD11	9	0.1
(4,1396)	1:20:A:LEU:HA	1:20:A:LEU:HD12	9	0.1
(4,1396)	1:20:A:LEU:HA	1:20:A:LEU:HD13	9	0.1
(4,1396)	1:20:A:LEU:HA	1:20:A:LEU:HD21	9	0.1
(4,1396)	1:20:A:LEU:HA	1:20:A:LEU:HD22	9	0.1
(4,1396)	1:20:A:LEU:HA	1:20:A:LEU:HD23	9	0.1
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	2	0.1
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	2	0.1
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	2	0.1
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	2	0.1
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	2	0.1
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	2	0.1
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	11	0.1
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	11	0.1
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	11	0.1
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	11	0.1
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	11	0.1
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	11	0.1
(4,1387)	1:22:A:VAL:HG11	1:19:A:ASP:HA	17	0.1
(4,1387)	1:22:A:VAL:HG12	1:19:A:ASP:HA	17	0.1
(4,1387)	1:22:A:VAL:HG13	1:19:A:ASP:HA	17	0.1
(4,1387)	1:22:A:VAL:HG21	1:19:A:ASP:HA	17	0.1
(4,1387)	1:22:A:VAL:HG22	1:19:A:ASP:HA	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1387)	1:22:A:VAL:HG23	1:19:A:ASP:HA	17	0.1
(4,1380)	1:13:A:SER:HA	1:18:A:ARG:HD3	12	0.1
(4,1371)	1:9:A:LYS:HA	1:18:A:ARG:HB2	11	0.1
(4,1371)	1:9:A:LYS:HA	1:18:A:ARG:HB3	11	0.1
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB2	9	0.1
(4,1370)	1:15:A:TYR:HB2	1:18:A:ARG:HB3	9	0.1
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB2	9	0.1
(4,1370)	1:15:A:TYR:HB3	1:18:A:ARG:HB3	9	0.1
(4,1341)	1:16:A:LYS:HE2	1:16:A:LYS:HG2	7	0.1
(4,1341)	1:16:A:LYS:HE2	1:16:A:LYS:HG3	7	0.1
(4,1341)	1:16:A:LYS:HE3	1:16:A:LYS:HG2	7	0.1
(4,1341)	1:16:A:LYS:HE3	1:16:A:LYS:HG3	7	0.1
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB2	10	0.1
(4,1323)	1:17:A:TYR:HD1	1:16:A:LYS:HB3	10	0.1
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB2	10	0.1
(4,1323)	1:17:A:TYR:HD2	1:16:A:LYS:HB3	10	0.1
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG11	3	0.1
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG12	3	0.1
(4,1293)	1:53:A:MET:HB2	1:12:A:VAL:HG13	3	0.1
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG11	3	0.1
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG12	3	0.1
(4,1293)	1:53:A:MET:HB3	1:12:A:VAL:HG13	3	0.1
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG11	3	0.1
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG12	3	0.1
(4,1291)	1:53:A:MET:HB2	1:12:A:VAL:HG13	3	0.1
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG11	3	0.1
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG12	3	0.1
(4,1291)	1:53:A:MET:HB3	1:12:A:VAL:HG13	3	0.1
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG11	4	0.1
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG12	4	0.1
(4,1286)	1:15:A:TYR:HE1	1:12:A:VAL:HG13	4	0.1
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG11	4	0.1
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG12	4	0.1
(4,1286)	1:15:A:TYR:HE2	1:12:A:VAL:HG13	4	0.1
(4,1285)	1:15:A:TYR:HD1	1:12:A:VAL:HG11	17	0.1
(4,1285)	1:15:A:TYR:HD1	1:12:A:VAL:HG12	17	0.1
(4,1285)	1:15:A:TYR:HD1	1:12:A:VAL:HG13	17	0.1
(4,1285)	1:15:A:TYR:HD2	1:12:A:VAL:HG11	17	0.1
(4,1285)	1:15:A:TYR:HD2	1:12:A:VAL:HG12	17	0.1
(4,1285)	1:15:A:TYR:HD2	1:12:A:VAL:HG13	17	0.1
(4,1229)	1:5:A:GLU:HA	1:8:A:LEU:HG	1	0.1
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1207)	1:3:A:VAL:HA	1:7:A:GLN:HB3	5	0.1
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB2	5	0.1
(4,1206)	1:3:A:VAL:HA	1:7:A:GLN:HB3	5	0.1
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	8	0.1
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	8	0.1
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	8	0.1
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	8	0.1
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG2	12	0.1
(4,1193)	1:9:A:LYS:HD2	1:5:A:GLU:HG3	12	0.1
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG2	12	0.1
(4,1193)	1:9:A:LYS:HD3	1:5:A:GLU:HG3	12	0.1
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	7	0.1
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	7	0.1
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	7	0.1
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	7	0.1
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	7	0.1
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	7	0.1
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	7	0.1
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	7	0.1
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	7	0.1
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	7	0.1
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	7	0.1
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	7	0.1
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	14	0.1
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	14	0.1
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	14	0.1
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	14	0.1
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	14	0.1
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	14	0.1
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	14	0.1
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	14	0.1
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	14	0.1
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	14	0.1
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	14	0.1
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	14	0.1
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB2	17	0.1
(4,1178)	1:8:A:LEU:HD11	1:8:A:LEU:HB3	17	0.1
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB2	17	0.1
(4,1178)	1:8:A:LEU:HD12	1:8:A:LEU:HB3	17	0.1
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB2	17	0.1
(4,1178)	1:8:A:LEU:HD13	1:8:A:LEU:HB3	17	0.1
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB2	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1178)	1:8:A:LEU:HD21	1:8:A:LEU:HB3	17	0.1
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB2	17	0.1
(4,1178)	1:8:A:LEU:HD22	1:8:A:LEU:HB3	17	0.1
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB2	17	0.1
(4,1178)	1:8:A:LEU:HD23	1:8:A:LEU:HB3	17	0.1
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE1	5	0.1
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE2	5	0.1
(4,1081)	1:3:A:VAL:HA	1:11:A:MET:HE3	5	0.1
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE1	7	0.1
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE2	7	0.1
(4,1080)	1:55:A:LEU:HD21	1:53:A:MET:HE3	7	0.1
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE1	7	0.1
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE2	7	0.1
(4,1080)	1:55:A:LEU:HD22	1:53:A:MET:HE3	7	0.1
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE1	7	0.1
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE2	7	0.1
(4,1080)	1:55:A:LEU:HD23	1:53:A:MET:HE3	7	0.1
(4,1070)	1:131:A:MET:HG2	1:131:A:MET:HA	5	0.1
(4,1070)	1:131:A:MET:HG3	1:131:A:MET:HA	5	0.1
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG2	3	0.1
(4,1043)	1:129:A:GLN:HA	1:129:A:GLN:HG3	3	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	7	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	7	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	7	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	7	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	7	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	7	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	7	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	7	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	7	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	7	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	7	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	7	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD11	19	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD12	19	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD13	19	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD21	19	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD22	19	0.1
(4,992)	1:125:A:LEU:HB2	1:125:A:LEU:HD23	19	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD11	19	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD12	19	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD21	19	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD22	19	0.1
(4,992)	1:125:A:LEU:HB3	1:125:A:LEU:HD23	19	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	2	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	2	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	5	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	5	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	6	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	6	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB2	8	0.1
(4,986)	1:125:A:LEU:HA	1:125:A:LEU:HB3	8	0.1
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB2	13	0.1
(4,985)	1:124:A:LEU:HA	1:124:A:LEU:HB3	13	0.1
(4,975)	1:124:A:LEU:HD11	1:124:A:LEU:HB2	19	0.1
(4,975)	1:124:A:LEU:HD11	1:124:A:LEU:HB3	19	0.1
(4,975)	1:124:A:LEU:HD12	1:124:A:LEU:HB2	19	0.1
(4,975)	1:124:A:LEU:HD12	1:124:A:LEU:HB3	19	0.1
(4,975)	1:124:A:LEU:HD13	1:124:A:LEU:HB2	19	0.1
(4,975)	1:124:A:LEU:HD13	1:124:A:LEU:HB3	19	0.1
(4,975)	1:124:A:LEU:HD21	1:124:A:LEU:HB2	19	0.1
(4,975)	1:124:A:LEU:HD21	1:124:A:LEU:HB3	19	0.1
(4,975)	1:124:A:LEU:HD22	1:124:A:LEU:HB2	19	0.1
(4,975)	1:124:A:LEU:HD22	1:124:A:LEU:HB3	19	0.1
(4,975)	1:124:A:LEU:HD23	1:124:A:LEU:HB2	19	0.1
(4,975)	1:124:A:LEU:HD23	1:124:A:LEU:HB3	19	0.1
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD11	19	0.1
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD12	19	0.1
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD13	19	0.1
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD21	19	0.1
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD22	19	0.1
(4,971)	1:124:A:LEU:HB2	1:124:A:LEU:HD23	19	0.1
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD11	19	0.1
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD12	19	0.1
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD13	19	0.1
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD21	19	0.1
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD22	19	0.1
(4,971)	1:124:A:LEU:HB3	1:124:A:LEU:HD23	19	0.1
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB2	13	0.1
(4,938)	1:118:A:LYS:HG2	1:118:A:LYS:HB3	13	0.1
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB2	13	0.1
(4,938)	1:118:A:LYS:HG3	1:118:A:LYS:HB3	13	0.1
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB2	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,931)	1:117:A:TRP:HA	1:117:A:TRP:HB3	1	0.1
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	9	0.1
(4,922)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	9	0.1
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	9	0.1
(4,922)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	9	0.1
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	7	0.1
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	7	0.1
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	7	0.1
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	7	0.1
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	7	0.1
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	7	0.1
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD11	17	0.1
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD12	17	0.1
(4,908)	1:111:A:LEU:HB2	1:111:A:LEU:HD13	17	0.1
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD11	17	0.1
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD12	17	0.1
(4,908)	1:111:A:LEU:HB3	1:111:A:LEU:HD13	17	0.1
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB2	4	0.1
(4,866)	1:102:A:HIS:HA	1:102:A:HIS:HB3	4	0.1
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB2	4	0.1
(4,865)	1:102:A:HIS:HA	1:102:A:HIS:HB3	4	0.1
(4,864)	1:102:A:HIS:HB2	1:102:A:HIS:HA	4	0.1
(4,864)	1:102:A:HIS:HB3	1:102:A:HIS:HA	4	0.1
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB2	4	0.1
(4,863)	1:102:A:HIS:HA	1:102:A:HIS:HB3	4	0.1
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,810)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,810)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,809)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,809)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,808)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,808)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,803)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,803)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,802)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,802)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,801)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,801)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,800)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,800)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB2	5	0.1
(4,799)	1:95:A:MET:HG2	1:95:A:MET:HB3	5	0.1
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB2	5	0.1
(4,799)	1:95:A:MET:HG3	1:95:A:MET:HB3	5	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	4	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	4	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	7	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	7	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	15	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	15	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	16	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	16	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	17	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	17	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB2	19	0.1
(4,736)	1:80:A:TYR:HA	1:80:A:TYR:HB3	19	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	4	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	4	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	7	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	7	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	15	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	15	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	16	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	16	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	17	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	17	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB2	19	0.1
(4,735)	1:80:A:TYR:HA	1:80:A:TYR:HB3	19	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	4	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	4	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	7	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	15	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	15	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	16	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	16	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	17	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	17	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB2	19	0.1
(4,732)	1:80:A:TYR:HA	1:80:A:TYR:HB3	19	0.1
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	4	0.1
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	4	0.1
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	7	0.1
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	7	0.1
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	15	0.1
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	15	0.1
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	16	0.1
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	16	0.1
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	17	0.1
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	17	0.1
(4,731)	1:80:A:TYR:HB2	1:80:A:TYR:HA	19	0.1
(4,731)	1:80:A:TYR:HB3	1:80:A:TYR:HA	19	0.1
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD11	20	0.1
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD12	20	0.1
(4,710)	1:70:A:ILE:HA	1:70:A:ILE:HD13	20	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	3	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	3	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	6	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	6	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	8	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	8	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG12	20	0.1
(4,705)	1:127:A:LEU:HG	1:128:A:ILE:HG13	20	0.1
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB2	11	0.1
(4,697)	1:36:A:LYS:HA	1:36:A:LYS:HB3	11	0.1
(4,639)	1:71:A:PRO:HB2	1:71:A:PRO:HA	14	0.1
(4,639)	1:71:A:PRO:HB3	1:71:A:PRO:HA	14	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB2	6	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB3	6	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB2	16	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB3	16	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB2	18	0.1
(4,592)	1:63:A:TYR:HA	1:63:A:TYR:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB2	6	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB3	6	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB2	16	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB3	16	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB2	18	0.1
(4,591)	1:63:A:TYR:HA	1:63:A:TYR:HB3	18	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB2	6	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB3	6	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB2	16	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB3	16	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB2	18	0.1
(4,588)	1:63:A:TYR:HA	1:63:A:TYR:HB3	18	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB2	6	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB3	6	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB2	16	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB3	16	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB2	18	0.1
(4,587)	1:63:A:TYR:HA	1:63:A:TYR:HB3	18	0.1
(4,533)	1:52:A:LEU:HB2	1:52:A:LEU:HA	10	0.1
(4,533)	1:52:A:LEU:HB3	1:52:A:LEU:HA	10	0.1
(4,532)	1:52:A:LEU:HA	1:52:A:LEU:HB2	10	0.1
(4,532)	1:52:A:LEU:HA	1:52:A:LEU:HB3	10	0.1
(4,525)	1:52:A:LEU:HB2	1:52:A:LEU:HA	10	0.1
(4,525)	1:52:A:LEU:HB3	1:52:A:LEU:HA	10	0.1
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	10	0.1
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	10	0.1
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	16	0.1
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	16	0.1
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB2	18	0.1
(4,513)	1:49:A:SER:HA	1:49:A:SER:HB3	18	0.1
(4,509)	1:48:A:SER:HB2	1:48:A:SER:HA	20	0.1
(4,509)	1:48:A:SER:HB3	1:48:A:SER:HA	20	0.1
(4,505)	1:46:A:ASP:HB2	1:46:A:ASP:HA	2	0.1
(4,505)	1:46:A:ASP:HB3	1:46:A:ASP:HA	2	0.1
(4,474)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	2	0.1
(4,474)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	2	0.1
(4,474)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	2	0.1
(4,474)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	2	0.1
(4,474)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	2	0.1
(4,474)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	2	0.1
(4,474)	1:39:A:LEU:HD21	1:39:A:LEU:HB2	2	0.1
(4,474)	1:39:A:LEU:HD21	1:39:A:LEU:HB3	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,474)	1:39:A:LEU:HD22	1:39:A:LEU:HB2	2	0.1
(4,474)	1:39:A:LEU:HD22	1:39:A:LEU:HB3	2	0.1
(4,474)	1:39:A:LEU:HD23	1:39:A:LEU:HB2	2	0.1
(4,474)	1:39:A:LEU:HD23	1:39:A:LEU:HB3	2	0.1
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	3	0.1
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	3	0.1
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	3	0.1
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	3	0.1
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	3	0.1
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	3	0.1
(4,464)	1:35:A:LEU:HD11	1:35:A:LEU:HA	5	0.1
(4,464)	1:35:A:LEU:HD12	1:35:A:LEU:HA	5	0.1
(4,464)	1:35:A:LEU:HD13	1:35:A:LEU:HA	5	0.1
(4,464)	1:35:A:LEU:HD21	1:35:A:LEU:HA	5	0.1
(4,464)	1:35:A:LEU:HD22	1:35:A:LEU:HA	5	0.1
(4,464)	1:35:A:LEU:HD23	1:35:A:LEU:HA	5	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	3	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	3	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	3	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	3	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	3	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	3	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD11	5	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD12	5	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD13	5	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD21	5	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD22	5	0.1
(4,463)	1:35:A:LEU:HA	1:35:A:LEU:HD23	5	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	3	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	3	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	3	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	3	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	3	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	3	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD11	5	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD12	5	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD13	5	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD21	5	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD22	5	0.1
(4,439)	1:35:A:LEU:HA	1:35:A:LEU:HD23	5	0.1
(4,415)	1:32:A:TYR:HB2	1:32:A:TYR:HA	6	0.1
(4,415)	1:32:A:TYR:HB3	1:32:A:TYR:HA	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,390)	1:31:A:LEU:HD11	1:31:A:LEU:HA	12	0.1
(4,390)	1:31:A:LEU:HD12	1:31:A:LEU:HA	12	0.1
(4,390)	1:31:A:LEU:HD13	1:31:A:LEU:HA	12	0.1
(4,390)	1:31:A:LEU:HD21	1:31:A:LEU:HA	12	0.1
(4,390)	1:31:A:LEU:HD22	1:31:A:LEU:HA	12	0.1
(4,390)	1:31:A:LEU:HD23	1:31:A:LEU:HA	12	0.1
(4,332)	1:25:A:THR:HA	1:22:A:VAL:HA	5	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB2	10	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB3	10	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB2	13	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB3	13	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB2	18	0.1
(4,262)	1:17:A:TYR:HA	1:17:A:TYR:HB3	18	0.1
(4,261)	1:17:A:TYR:HB2	1:17:A:TYR:HA	10	0.1
(4,261)	1:17:A:TYR:HB3	1:17:A:TYR:HA	10	0.1
(4,261)	1:17:A:TYR:HB2	1:17:A:TYR:HA	13	0.1
(4,261)	1:17:A:TYR:HB3	1:17:A:TYR:HA	13	0.1
(4,261)	1:17:A:TYR:HB2	1:17:A:TYR:HA	18	0.1
(4,261)	1:17:A:TYR:HB3	1:17:A:TYR:HA	18	0.1
(4,247)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	7	0.1
(4,247)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	7	0.1
(4,247)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	7	0.1
(4,247)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	7	0.1
(4,219)	1:53:A:MET:HE1	1:12:A:VAL:HB	12	0.1
(4,219)	1:53:A:MET:HE2	1:12:A:VAL:HB	12	0.1
(4,219)	1:53:A:MET:HE3	1:12:A:VAL:HB	12	0.1
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	11	0.1
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	11	0.1
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	11	0.1
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	11	0.1
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG2	18	0.1
(4,214)	1:11:A:MET:HB2	1:11:A:MET:HG3	18	0.1
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG2	18	0.1
(4,214)	1:11:A:MET:HB3	1:11:A:MET:HG3	18	0.1
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	11	0.1
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	11	0.1
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	11	0.1
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	11	0.1
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB2	18	0.1
(4,209)	1:11:A:MET:HG2	1:11:A:MET:HB3	18	0.1
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB2	18	0.1
(4,209)	1:11:A:MET:HG3	1:11:A:MET:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	11	0.1
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	11	0.1
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	11	0.1
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	11	0.1
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB2	18	0.1
(4,208)	1:11:A:MET:HG2	1:11:A:MET:HB3	18	0.1
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB2	18	0.1
(4,208)	1:11:A:MET:HG3	1:11:A:MET:HB3	18	0.1
(4,205)	1:11:A:MET:HB2	1:11:A:MET:HA	6	0.1
(4,205)	1:11:A:MET:HB3	1:11:A:MET:HA	6	0.1
(4,201)	1:11:A:MET:HB2	1:11:A:MET:HA	6	0.1
(4,201)	1:11:A:MET:HB3	1:11:A:MET:HA	6	0.1
(4,193)	1:10:A:LYS:HA	1:10:A:LYS:HG2	10	0.1
(4,193)	1:10:A:LYS:HA	1:10:A:LYS:HG3	10	0.1
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD2	15	0.1
(4,151)	1:50:A:ARG:HG2	1:50:A:ARG:HD3	15	0.1
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD2	15	0.1
(4,151)	1:50:A:ARG:HG3	1:50:A:ARG:HD3	15	0.1
(4,139)	1:86:A:ILE:HD11	1:77:A:LEU:HB2	7	0.1
(4,139)	1:86:A:ILE:HD11	1:77:A:LEU:HB3	7	0.1
(4,139)	1:86:A:ILE:HD12	1:77:A:LEU:HB2	7	0.1
(4,139)	1:86:A:ILE:HD12	1:77:A:LEU:HB3	7	0.1
(4,139)	1:86:A:ILE:HD13	1:77:A:LEU:HB2	7	0.1
(4,139)	1:86:A:ILE:HD13	1:77:A:LEU:HB3	7	0.1
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB2	20	0.1
(4,127)	1:61:A:VAL:HG11	1:135:A:PHE:HB3	20	0.1
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB2	20	0.1
(4,127)	1:61:A:VAL:HG12	1:135:A:PHE:HB3	20	0.1
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB2	20	0.1
(4,127)	1:61:A:VAL:HG13	1:135:A:PHE:HB3	20	0.1
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB2	20	0.1
(4,127)	1:61:A:VAL:HG21	1:135:A:PHE:HB3	20	0.1
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB2	20	0.1
(4,127)	1:61:A:VAL:HG22	1:135:A:PHE:HB3	20	0.1
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB2	20	0.1
(4,127)	1:61:A:VAL:HG23	1:135:A:PHE:HB3	20	0.1
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	9	0.1
(4,90)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	9	0.1
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	9	0.1
(4,90)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	9	0.1
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG2	9	0.1
(4,51)	1:116:A:GLU:HB2	1:116:A:GLU:HG3	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG2	9	0.1
(4,51)	1:116:A:GLU:HB3	1:116:A:GLU:HG3	9	0.1
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB2	7	0.1
(4,32)	1:111:A:LEU:H	1:115:A:HIS:HB3	7	0.1
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	1	0.1
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	6	0.1
(4,6)	1:3:A:VAL:HB	1:3:A:VAL:HA	16	0.1
(1,65)	1:86:A:ILE:O	1:75:A:TRP:H	7	0.1
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	6	0.1
(1,56)	1:72:A:ILE:O	1:57:A:GLY:N	16	0.1

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

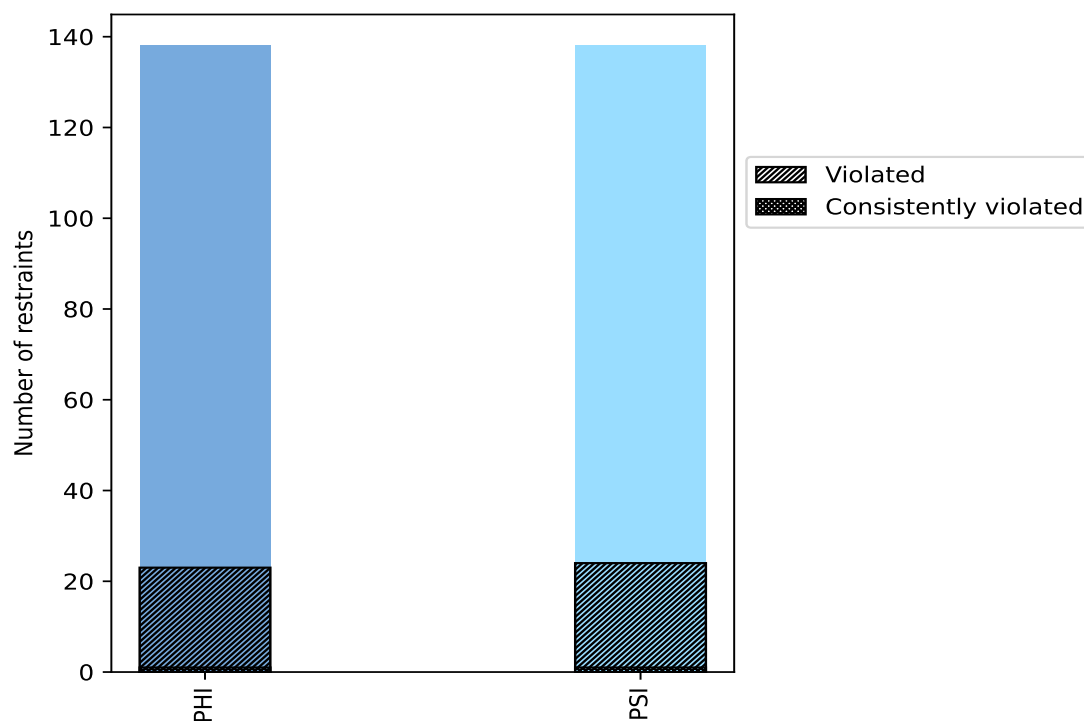
10.1 Summary of dihedral-angle violations [i](#)

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	138	50.0	23	16.7	8.3	1	0.7	0.4
PSI	138	50.0	24	17.4	8.7	1	0.7	0.4
Total	276	100.0	47	17.0	17.0	2	0.7	0.7

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](#)



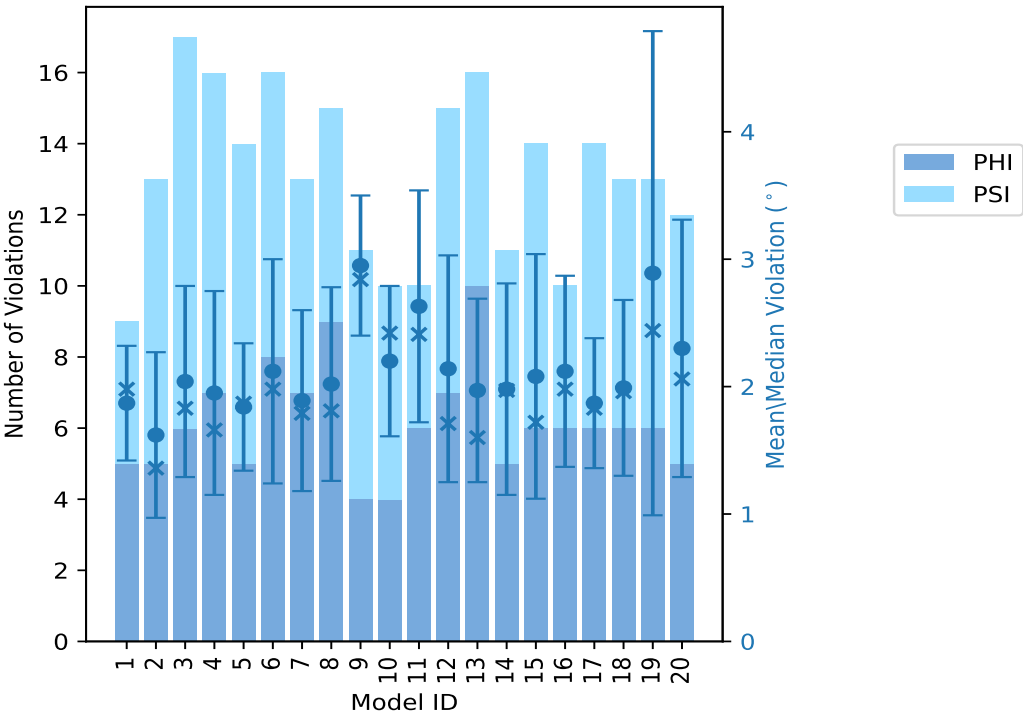
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	5	4	9	1.87	2.52	0.45	1.98
2	5	8	13	1.62	3.21	0.65	1.36
3	6	11	17	2.04	3.78	0.75	1.83
4	7	9	16	1.95	3.94	0.8	1.66
5	5	9	14	1.84	2.87	0.5	1.87
6	8	8	16	2.12	4.28	0.88	1.98
7	7	6	13	1.89	3.65	0.71	1.79
8	9	6	15	2.02	3.8	0.76	1.81
9	4	7	11	2.95	3.81	0.55	2.84
10	4	6	10	2.2	2.93	0.59	2.42
11	6	4	10	2.63	4.72	0.91	2.41
12	7	8	15	2.14	4.03	0.89	1.71
13	10	6	16	1.97	3.83	0.72	1.6
14	5	6	11	1.98	3.81	0.83	1.97
15	6	8	14	2.08	4.11	0.96	1.72
16	6	4	10	2.12	3.03	0.75	1.98
17	6	8	14	1.87	2.86	0.51	1.83
18	6	7	13	1.99	3.03	0.69	1.96
19	6	7	13	2.89	8.56	1.9	2.44
20	5	7	12	2.3	4.5	1.01	2.06

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	%
7	10	17	1	5.0
3	4	7	2	10.0
3	0	3	3	15.0
1	0	1	4	20.0
0	2	2	5	25.0
4	1	5	6	30.0
0	0	0	7	35.0
1	0	1	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

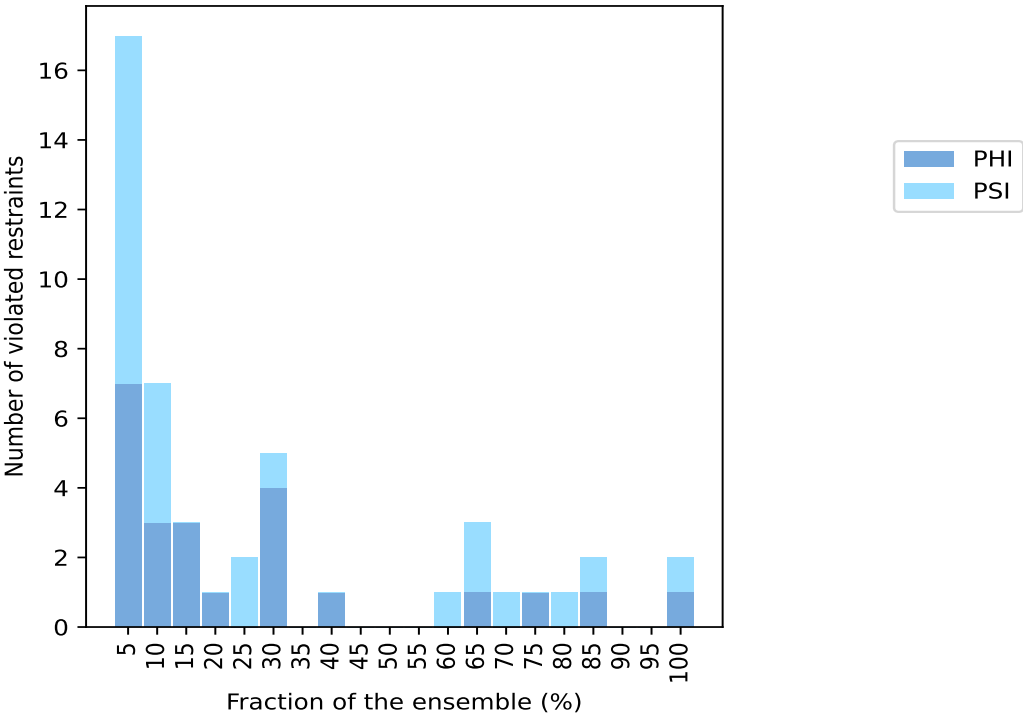
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	1	1	12	60.0
1	2	3	13	65.0
0	1	1	14	70.0
1	0	1	15	75.0
0	1	1	16	80.0
1	1	2	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
1	1	2	20	100.0

¹ Number of models with violations

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

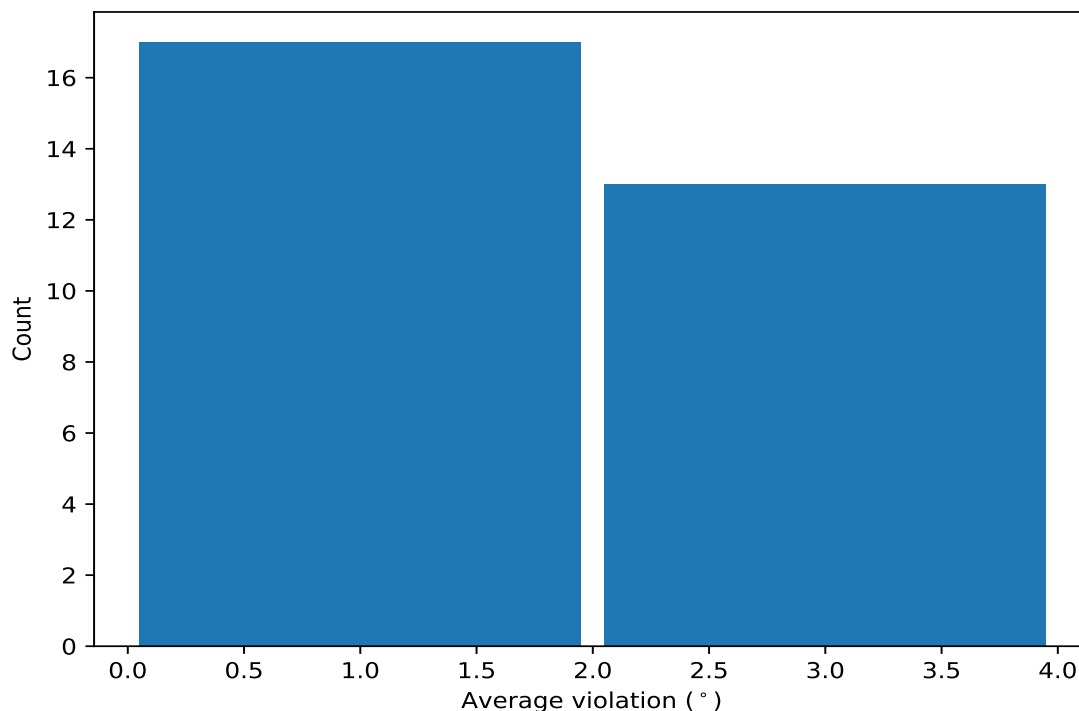


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	20	2.74	0.4	2.8
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	20	2.69	0.78	2.55
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	17	2.79	0.95	2.38
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	17	2.25	0.45	2.38
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	16	2.2	0.84	2.08
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	15	1.53	0.43	1.48
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	14	1.75	0.48	1.74
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	13	2.19	0.87	1.88
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	13	2.06	0.67	1.79
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	13	1.7	0.47	1.58
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	12	2.46	0.78	2.54
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	8	1.62	0.46	1.5
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	6	1.63	0.59	1.46
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	6	1.6	0.91	1.23
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	6	1.54	0.39	1.46
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	6	1.48	0.34	1.37
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	6	1.24	0.32	1.09
(1,270)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	5	2.13	0.53	2.24
(1,180)	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	1:102:A:HIS:N	5	1.74	0.92	1.38
(1,187)	1:104:A:ASP:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	4	1.76	0.32	1.74

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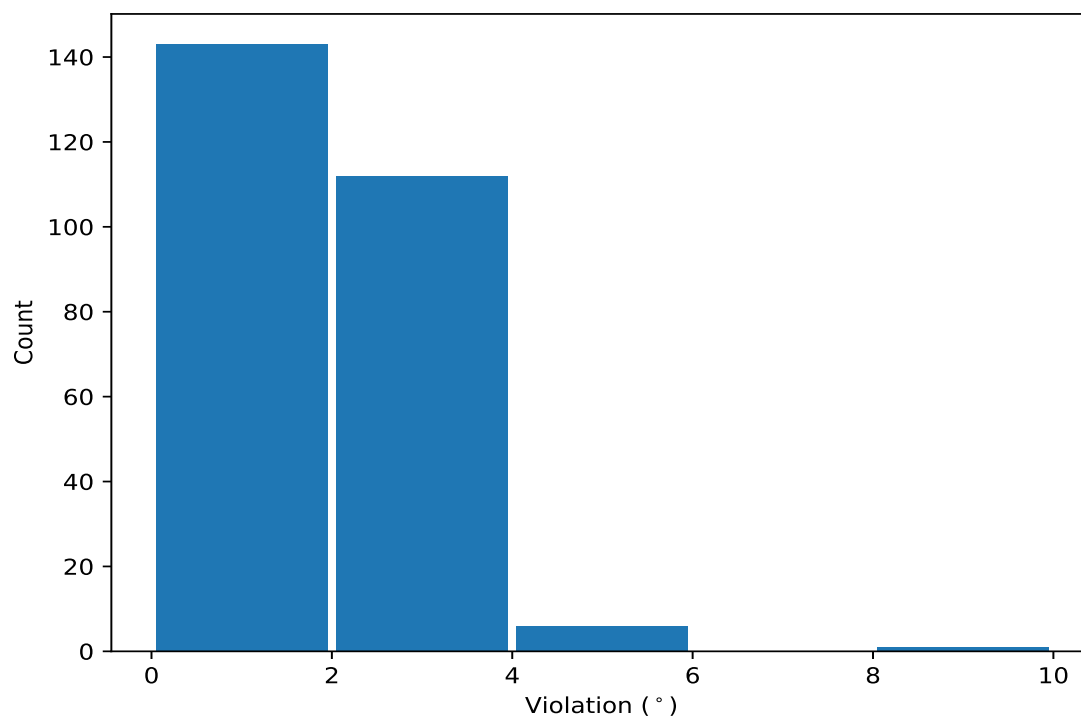
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,163)	1:90:A:LYS:C	1:91:A:PRO:N	1:91:A:PRO:CA	1:91:A:PRO:C	3	3.1	0.71	3.35
(1,179)	1:100:A:GLY:C	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	3	2.3	0.23	2.37
(1,183)	1:102:A:HIS:C	1:103:A:VAL:N	1:103:A:VAL:CA	1:103:A:VAL:C	3	2.09	1.17	1.45
(1,260)	1:100:A:GLY:N	1:100:A:GLY:CA	1:100:A:GLY:C	1:101:A:LYS:N	2	2.82	0.75	2.82
(1,176)	1:97:A:ILE:N	1:97:A:ILE:CA	1:97:A:ILE:C	1:98:A:LYS:N	2	1.87	0.05	1.87
(1,148)	1:79:A:THR:N	1:79:A:THR:CA	1:79:A:THR:C	1:80:A:TYR:N	2	1.46	0.35	1.46
(1,161)	1:89:A:VAL:C	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	2	1.27	0.22	1.27
(1,188)	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	1:106:A:ASN:N	2	1.23	0.08	1.23
(1,153)	1:85:A:PRO:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	2	1.23	0.08	1.23
(1,53)	1:28:A:VAL:C	1:29:A:ILE:N	1:29:A:ILE:CA	1:29:A:ILE:C	2	1.21	0.04	1.21

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 (°)
(1,124)	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	1:67:A:THR:N	19	8.56
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	11	4.72
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	20	4.5
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	6	4.28
(1,125)	1:66:A:ASN:C	1:67:A:THR:N	1:67:A:THR:CA	1:67:A:THR:C	19	4.18
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	15	4.11
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	12	4.03
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	4	3.94
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	19	3.94
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	13	3.83
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	9	3.81
(1,163)	1:90:A:LYS:C	1:91:A:PRO:N	1:91:A:PRO:CA	1:91:A:PRO:C	14	3.81
(1,29)	1:16:A:LYS:C	1:17:A:TYR:N	1:17:A:TYR:CA	1:17:A:TYR:C	8	3.8
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	3	3.78
(1,183)	1:102:A:HIS:C	1:103:A:VAL:N	1:103:A:VAL:CA	1:103:A:VAL:C	20	3.73
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	6	3.69
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	9	3.69
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	7	3.65
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	19	3.62
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	12	3.59
(1,260)	1:100:A:GLY:N	1:100:A:GLY:CA	1:100:A:GLY:C	1:101:A:LYS:N	3	3.57
(1,180)	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	1:102:A:HIS:N	9	3.56
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	12	3.53
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	15	3.47
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	8	3.42
(1,163)	1:90:A:LYS:C	1:91:A:PRO:N	1:91:A:PRO:CA	1:91:A:PRO:C	11	3.35
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	11	3.26
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	9	3.25
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	2	3.21
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	18	3.03
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	16	3.03
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	20	3.03
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	13	3.02
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	4	2.97
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	7	2.97
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	15	2.97
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	16	2.97
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	16	2.94
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	10	2.93
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	16	2.92
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	10	2.92
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	6	2.89
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	5	2.87
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	15	2.87
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	9	2.87
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	17	2.86
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	14	2.85
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	3	2.85
(1,270)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	9	2.84
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	6	2.83
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	9	2.82
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	11	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	4	2.79
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	17	2.78
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	18	2.75
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	19	2.75
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	15	2.74
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	4	2.72
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	9	2.71
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	13	2.7
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	18	2.68
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	20	2.67
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	18	2.67
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	20	2.64
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	9	2.63
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	3	2.63
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	4	2.6
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	12	2.58
(1,179)	1:100:A:GLY:C	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	8	2.55
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	10	2.54
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	10	2.53
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	1	2.52
(1,270)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	19	2.51
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	18	2.5
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	10	2.47
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	14	2.47
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	2	2.47
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	13	2.46
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	14	2.45
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	11	2.44
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	19	2.44
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	18	2.4
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	8	2.4
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	12	2.4
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	10	2.38
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	9	2.38
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	11	2.38
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	8	2.37
(1,179)	1:100:A:GLY:C	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	12	2.37
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	17	2.35
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	3	2.32
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	5	2.32
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	20	2.3
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	6	2.27
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1	2.27
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	16	2.27
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	13	2.25
(1,21)	1:11:A:MET:C	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	13	2.25
(1,270)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	5	2.24
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	1	2.24
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	19	2.23
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	11	2.22
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	2	2.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	2	2.19
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	7	2.19
(1,187)	1:104:A:ASP:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	3	2.19
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	6	2.17
(1,150)	1:82:A:TYR:N	1:82:A:TYR:CA	1:82:A:TYR:C	1:83:A:ASN:N	5	2.17
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	15	2.17
(1,163)	1:90:A:LYS:C	1:91:A:PRO:N	1:91:A:PRO:CA	1:91:A:PRO:C	8	2.13
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	5	2.12
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	7	2.12
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	4	2.12
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	13	2.1
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	1	2.08
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	14	2.08
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	10	2.08
(1,260)	1:100:A:GLY:N	1:100:A:GLY:CA	1:100:A:GLY:C	1:101:A:LYS:N	17	2.06
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	5	2.01
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	3	1.99
(1,179)	1:100:A:GLY:C	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	6	1.99
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	1	1.98
(1,93)	1:49:A:SER:C	1:50:A:ARG:N	1:50:A:ARG:CA	1:50:A:ARG:C	6	1.98
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	17	1.98
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	6	1.98
(1,110)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:PRO:N	14	1.97
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	18	1.96
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	7	1.95
(1,244)	1:141:A:VAL:N	1:141:A:VAL:CA	1:141:A:VAL:C	1:142:A:PHE:N	3	1.94
(1,187)	1:104:A:ASP:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	9	1.93
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	11	1.92
(1,176)	1:97:A:ILE:N	1:97:A:ILE:CA	1:97:A:ILE:C	1:98:A:LYS:N	12	1.92
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	17	1.89
(1,162)	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	1:91:A:PRO:N	15	1.88
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	17	1.88
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	5	1.87
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	5	1.86
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	4	1.84
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	3	1.83
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	5	1.83
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	7	1.83
(1,176)	1:97:A:ILE:N	1:97:A:ILE:CA	1:97:A:ILE:C	1:98:A:LYS:N	20	1.82
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	18	1.82
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	8	1.81
(1,148)	1:79:A:THR:N	1:79:A:THR:CA	1:79:A:THR:C	1:80:A:TYR:N	8	1.81
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	1	1.79
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	19	1.79
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	3	1.79
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	7	1.79
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	3	1.78
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	17	1.78
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	6	1.77
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	7	1.75
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	17	1.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	20	1.75
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	8	1.74
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	4	1.74
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	19	1.72
(1,270)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	12	1.71
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	12	1.7
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	16	1.7
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	14	1.68
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	5	1.68
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	6	1.65
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	11	1.64
(1,158)	1:88:A:PHE:N	1:88:A:PHE:CA	1:88:A:PHE:C	1:89:A:VAL:N	17	1.62
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	8	1.61
(1,117)	1:62:A:PRO:C	1:63:A:TYR:N	1:63:A:TYR:CA	1:63:A:TYR:C	13	1.6
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	4	1.59
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	13	1.59
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	5	1.58
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	16	1.57
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	7	1.57
(1,187)	1:104:A:ASP:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	1	1.56
(1,102)	1:54:A:ASN:N	1:54:A:ASN:CA	1:54:A:ASN:C	1:55:A:LEU:N	15	1.55
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	11	1.55
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	16	1.54
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	8	1.54
(1,186)	1:104:A:ASP:N	1:104:A:ASP:CA	1:104:A:ASP:C	1:105:A:ALA:N	3	1.53
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	6	1.53
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	15	1.53
(1,242)	1:139:A:PRO:N	1:139:A:PRO:CA	1:139:A:PRO:C	1:140:A:PRO:N	12	1.52
(1,238)	1:135:A:PHE:N	1:135:A:PHE:CA	1:135:A:PHE:C	1:136:A:GLY:N	17	1.52
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	3	1.52
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	18	1.5
(1,275)	1:143:A:SER:C	1:144:A:ARG:N	1:144:A:ARG:CA	1:144:A:ARG:C	6	1.49
(1,161)	1:89:A:VAL:C	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	13	1.49
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	4	1.48
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	10	1.48
(1,180)	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	1:102:A:HIS:N	12	1.47
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	13	1.47
(1,99)	1:52:A:LEU:C	1:53:A:MET:N	1:53:A:MET:CA	1:53:A:MET:C	12	1.46
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	2	1.46
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	12	1.46
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	15	1.45
(1,183)	1:102:A:HIS:C	1:103:A:VAL:N	1:103:A:VAL:CA	1:103:A:VAL:C	7	1.45
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	19	1.44
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	10	1.42
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	20	1.39
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	4	1.39
(1,180)	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	1:102:A:HIS:N	8	1.38
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	2	1.38
(1,270)	1:138:A:GLU:N	1:138:A:GLU:CA	1:138:A:GLU:C	1:139:A:PRO:N	20	1.37
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	1	1.37
(1,187)	1:104:A:ASP:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	13	1.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	13	1.36
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	2	1.36
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	13	1.34
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	8	1.33
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	13	1.32
(1,264)	1:120:A:PRO:N	1:120:A:PRO:CA	1:120:A:PRO:C	1:121:A:GLN:N	4	1.32
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	13	1.32
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	2	1.31
(1,239)	1:136:A:GLY:C	1:137:A:ASP:N	1:137:A:ASP:CA	1:137:A:ASP:C	17	1.31
(1,188)	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	1:106:A:ASN:N	2	1.31
(1,180)	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	1:102:A:HIS:N	3	1.3
(1,153)	1:85:A:PRO:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	15	1.3
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	20	1.3
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	8	1.29
(1,131)	1:69:A:ASN:C	1:70:A:ILE:N	1:70:A:ILE:CA	1:70:A:ILE:C	17	1.28
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	3	1.28
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	3	1.27
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	10	1.25
(1,53)	1:28:A:VAL:C	1:29:A:ILE:N	1:29:A:ILE:CA	1:29:A:ILE:C	4	1.25
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	12	1.23
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	16	1.21
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	6	1.2
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	19	1.2
(1,85)	1:45:A:ASN:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	7	1.19
(1,19)	1:10:A:LYS:C	1:11:A:MET:N	1:11:A:MET:CA	1:11:A:MET:C	4	1.19
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	4	1.19
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	14	1.18
(1,53)	1:28:A:VAL:C	1:29:A:ILE:N	1:29:A:ILE:CA	1:29:A:ILE:C	18	1.17
(1,138)	1:73:A:CYS:N	1:73:A:CYS:CA	1:73:A:CYS:C	1:74:A:LEU:N	3	1.16
(1,245)	1:141:A:VAL:C	1:142:A:PHE:N	1:142:A:PHE:CA	1:142:A:PHE:C	12	1.15
(1,188)	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	1:106:A:ASN:N	18	1.15
(1,153)	1:85:A:PRO:C	1:86:A:ILE:N	1:86:A:ILE:CA	1:86:A:ILE:C	19	1.15
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	5	1.14
(1,268)	1:122:A:SER:N	1:122:A:SER:CA	1:122:A:SER:C	1:123:A:ASP:N	4	1.12
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	14	1.12
(1,64)	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	1:35:A:LEU:N	18	1.12
(1,265)	1:120:A:PRO:C	1:121:A:GLN:N	1:121:A:GLN:CA	1:121:A:GLN:C	2	1.11
(1,148)	1:79:A:THR:N	1:79:A:THR:CA	1:79:A:THR:C	1:80:A:TYR:N	6	1.11
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	20	1.1
(1,73)	1:38:A:VAL:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	5	1.09
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	14	1.09
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	16	1.09
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	2	1.08
(1,183)	1:102:A:HIS:C	1:103:A:VAL:N	1:103:A:VAL:CA	1:103:A:VAL:C	17	1.08
(1,54)	1:29:A:ILE:N	1:29:A:ILE:CA	1:29:A:ILE:C	1:30:A:THR:N	7	1.08
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	18	1.08
(1,60)	1:32:A:TYR:N	1:32:A:TYR:CA	1:32:A:TYR:C	1:33:A:LYS:N	14	1.07
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	7	1.06
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	6	1.05
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	8	1.05
(1,161)	1:89:A:VAL:C	1:90:A:LYS:N	1:90:A:LYS:CA	1:90:A:LYS:C	5	1.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	1	1.03
(1,236)	1:134:A:VAL:N	1:134:A:VAL:CA	1:134:A:VAL:C	1:135:A:PHE:N	15	1.02
(1,3)	1:2:A:ALA:C	1:3:A:VAL:N	1:3:A:VAL:CA	1:3:A:VAL:C	15	1.02
(1,66)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:LYS:N	2	1.01
(1,63)	1:33:A:LYS:C	1:34:A:ASP:N	1:34:A:ASP:CA	1:34:A:ASP:C	15	1.01
(1,180)	1:101:A:LYS:N	1:101:A:LYS:CA	1:101:A:LYS:C	1:102:A:HIS:N	2	1.0