Full wwPDB NMR Structure Validation Report (i)

Dec 24, 2024 – 02:12 PM EST

PDB ID	:	2KZS
BMRB ID	:	17018
Title	:	DAXX helical bundle (DHB) domain
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Deposited on	:	2010-06-23

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

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

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

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

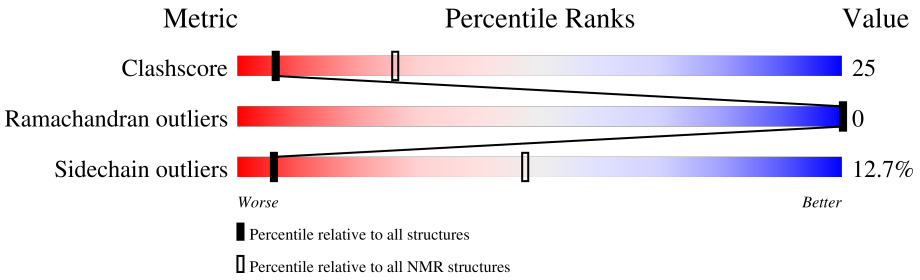
MolProbity	:	4.02b-467
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 91%.

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 <=5%

Mol	Chain	Length	Quality of chain
1	A	94	33% 47% . 17%

2 Ensemble composition and analysis

This entry contains 25 models. Model 11 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:60-A:137 (78)	0.19	11

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 5 clusters and 2 single-model clusters were found.

Cluster number	Models
1	1, 4, 7, 11, 12, 14, 15, 18, 20, 21, 22, 25
2	2, 6, 13, 19, 24
3	5, 17
4	8, 10
5	9, 16
Single-model clusters	3; 23

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1558 atoms, of which 791 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Death-associated protein 6.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	94	1558	489	791	138	134	6	0

There are 4 discrepancies between the modelled and reference sequences:

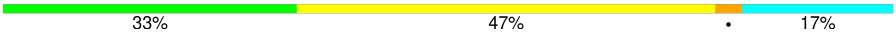
Chain	Residue	Modelled	Actual	Comment	Reference
A	51	GLY	-	expression tag	UNP Q4VX54
A	52	SER	-	expression tag	UNP Q4VX54
A	53	HIS	-	expression tag	UNP Q4VX54
A	54	MET	-	expression tag	UNP Q4VX54

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: Death-associated protein 6

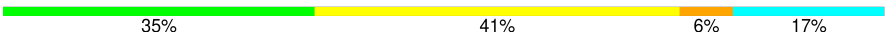
Chain A: 

4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

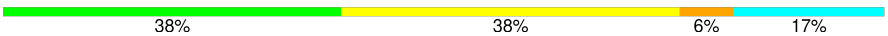
4.2.1 Score per residue for model 1

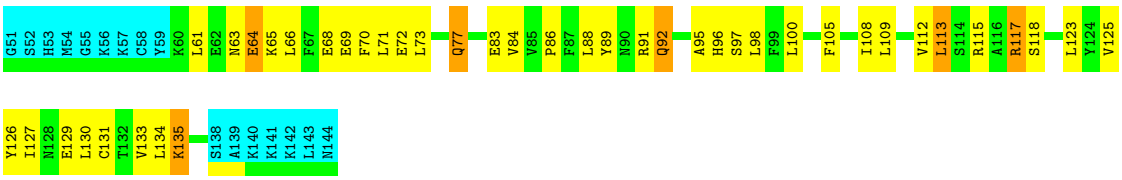
• Molecule 1: Death-associated protein 6

Chain A: 

4.2.2 Score per residue for model 2

• Molecule 1: Death-associated protein 6

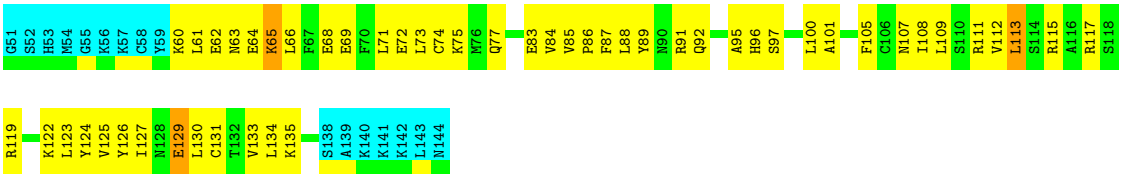
Chain A: 



4.2.3 Score per residue for model 3

• Molecule 1: Death-associated protein 6

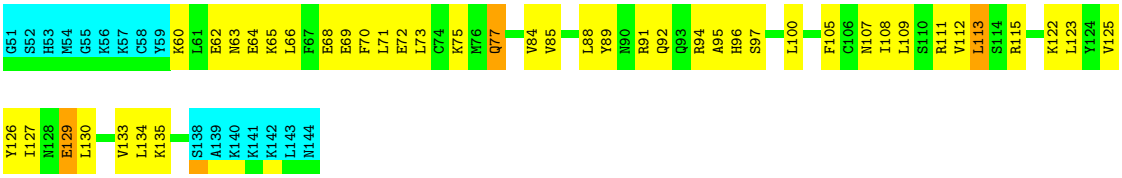
Chain A: 29% 51% 17%



4.2.4 Score per residue for model 4

• Molecule 1: Death-associated protein 6

Chain A: 37% 43% 17%



4.2.5 Score per residue for model 5

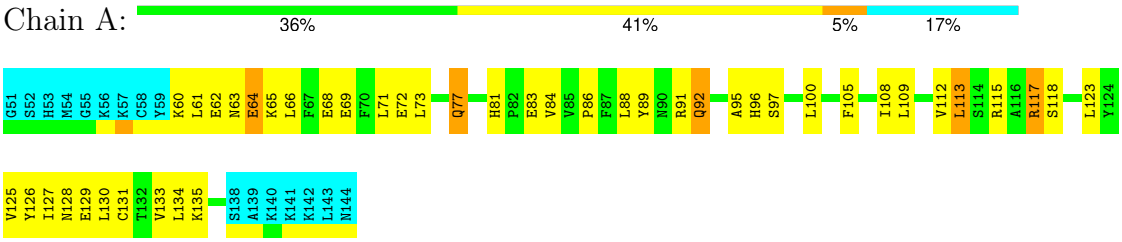
• Molecule 1: Death-associated protein 6

Chain A: 36% 44% 17%

4.2.6 Score per residue for model 6

• Molecule 1: Death-associated protein 6

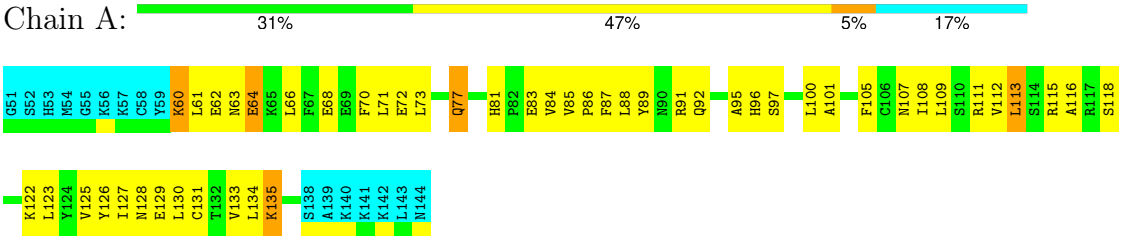
Chain A:



4.2.7 Score per residue for model 7

- Molecule 1: Death-associated protein 6

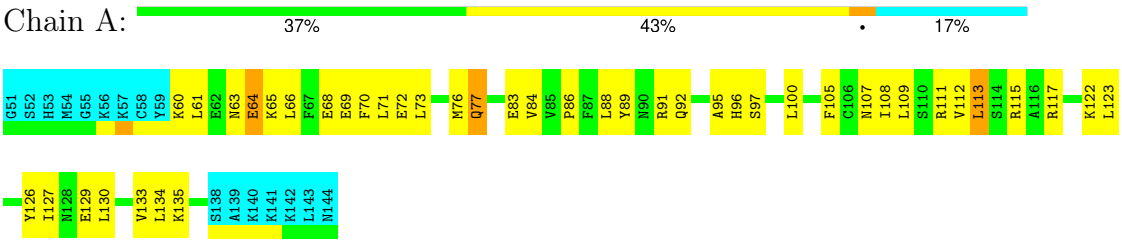
Chain A:



4.2.8 Score per residue for model 8

- Molecule 1: Death-associated protein 6

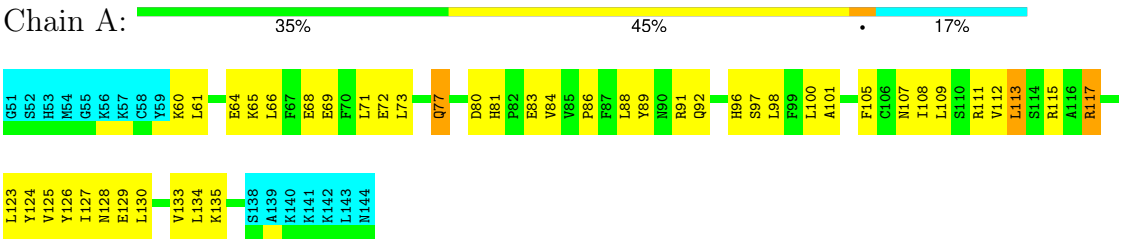
Chain A:



4.2.9 Score per residue for model 9

- Molecule 1: Death-associated protein 6

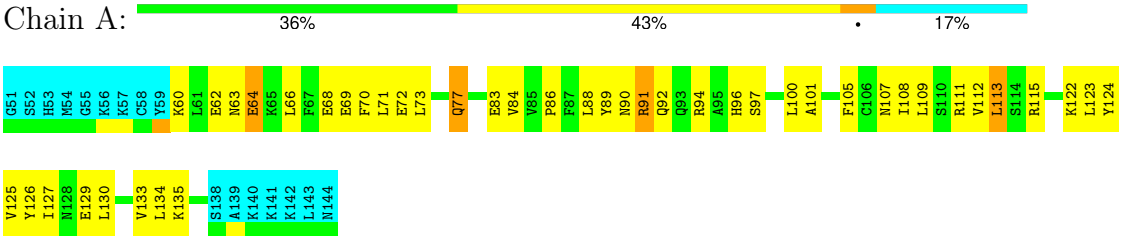
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Death-associated protein 6

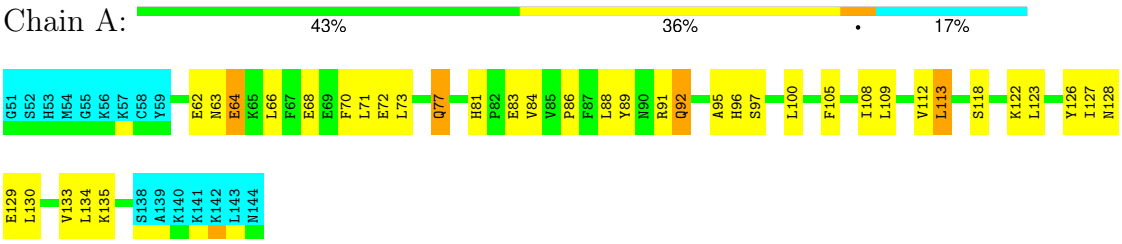
Chain A:



4.2.11 Score per residue for model 11 (medoid)

• Molecule 1: Death-associated protein 6

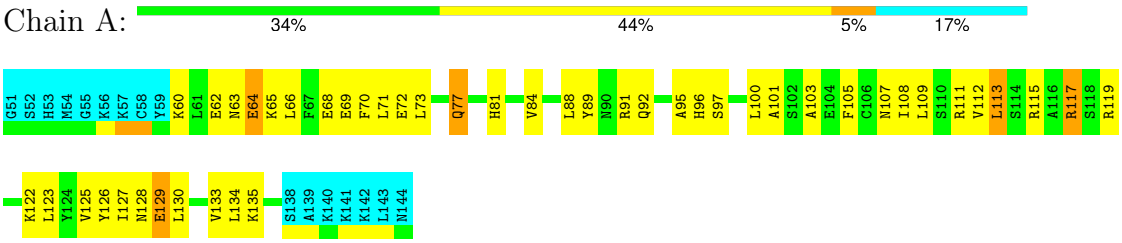
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Death-associated protein 6

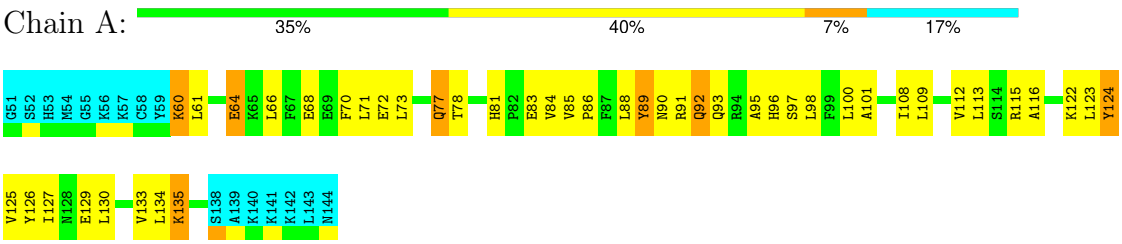
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Death-associated protein 6

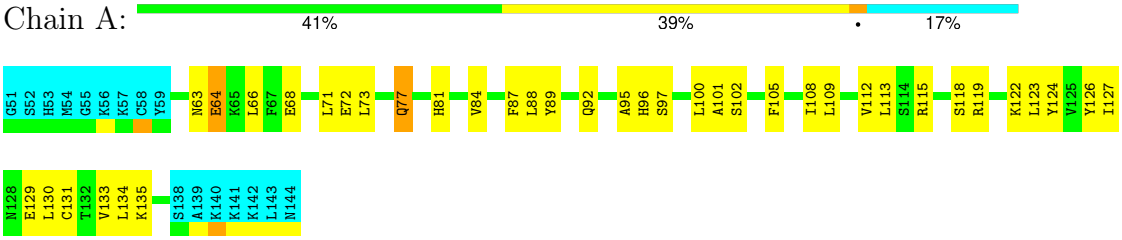
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Death-associated protein 6

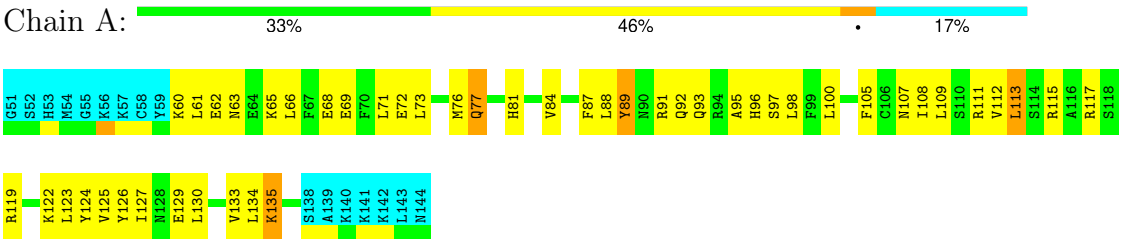
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Death-associated protein 6

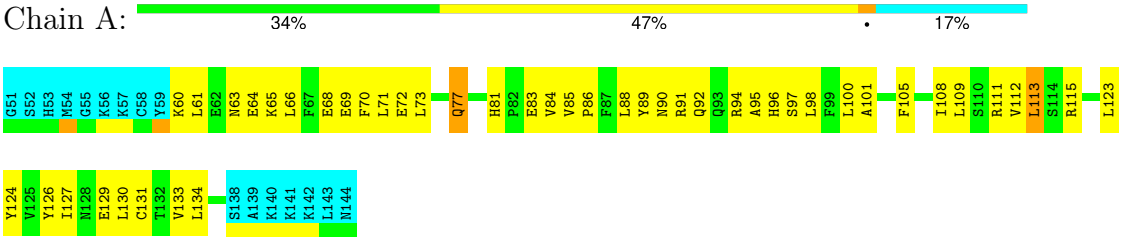
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Death-associated protein 6

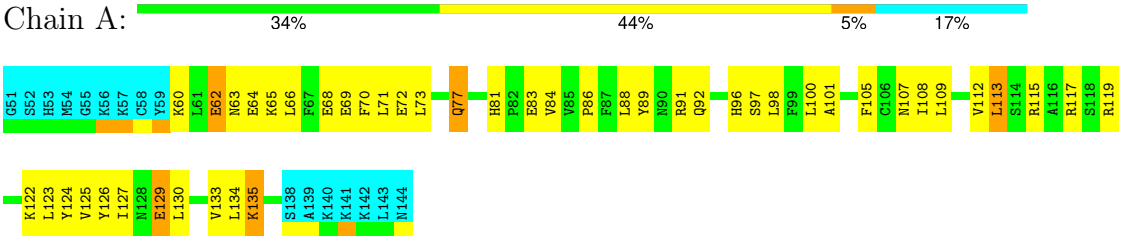
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Death-associated protein 6

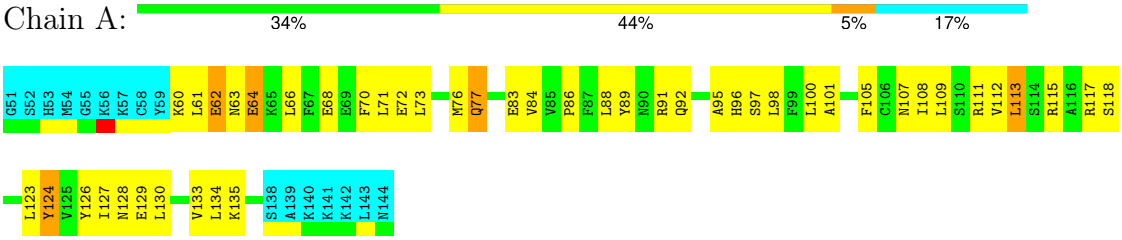
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Death-associated protein 6

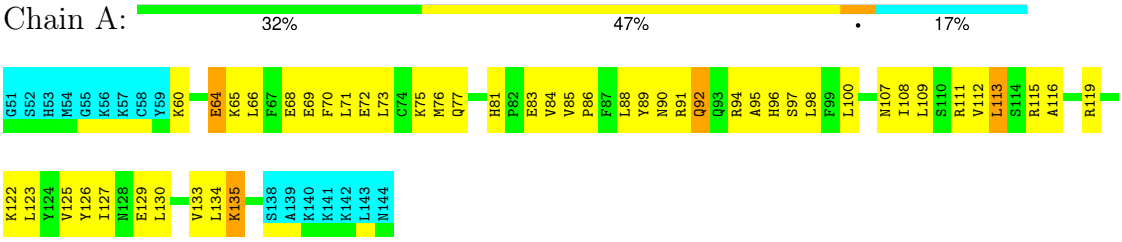
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Death-associated protein 6

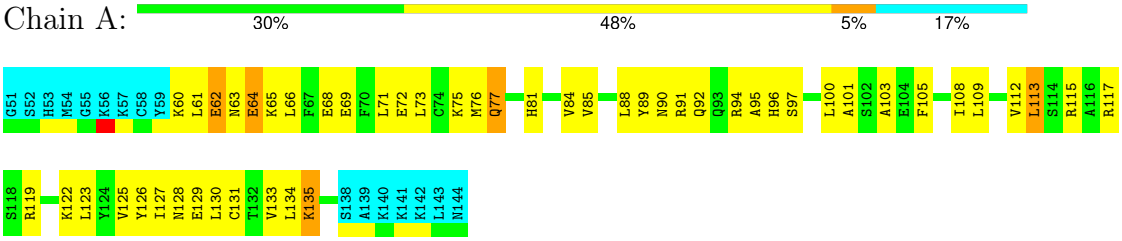
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Death-associated protein 6

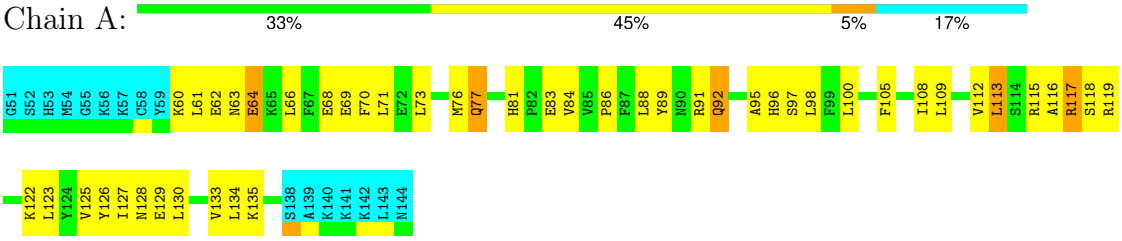
Chain A:



4.2.21 Score per residue for model 21

• Molecule 1: Death-associated protein 6

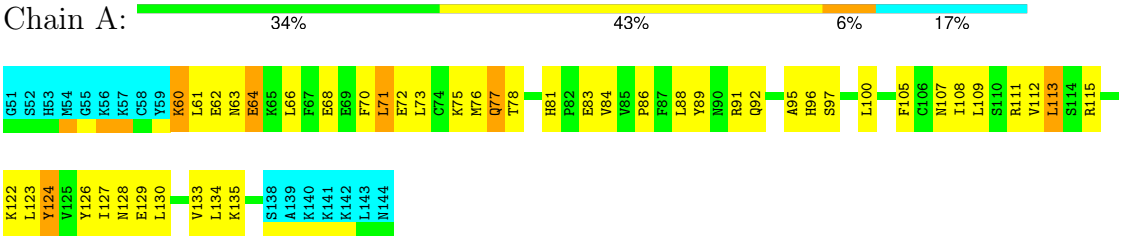
Chain A:



4.2.22 Score per residue for model 22

• Molecule 1: Death-associated protein 6

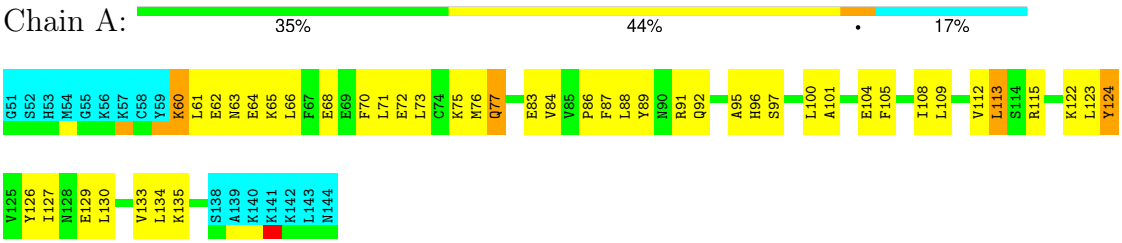
Chain A:



4.2.23 Score per residue for model 23

• Molecule 1: Death-associated protein 6

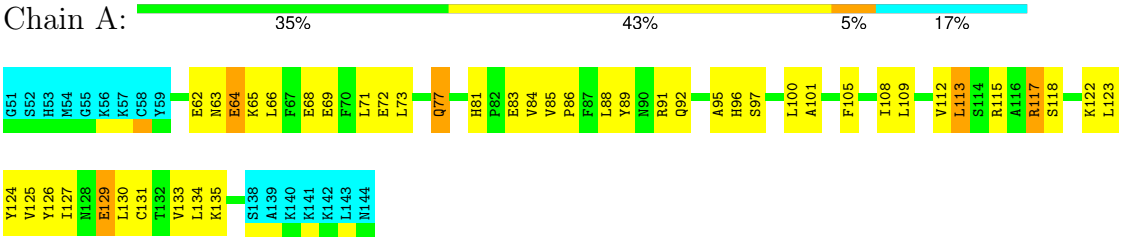
Chain A:



4.2.24 Score per residue for model 24

• Molecule 1: Death-associated protein 6

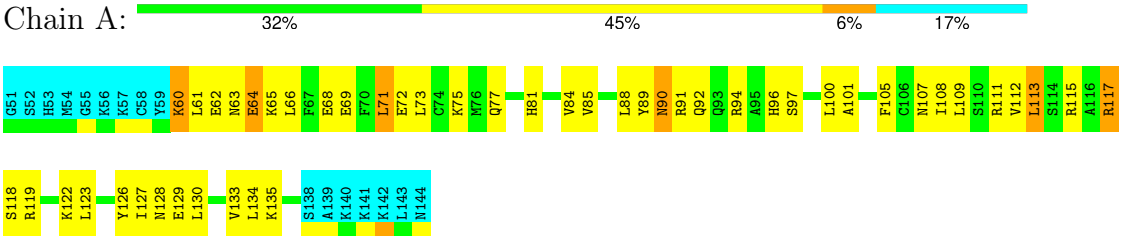
Chain A:



4.2.25 Score per residue for model 25

• Molecule 1: Death-associated protein 6

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 120 calculated structures, 25 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
ARIA	structure solution	2.2
ARIA	refinement	2.2

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	1221
Number of shifts mapped to atoms	1221
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	91%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.49±0.02	0±0/658 (0.0± 0.0%)	0.59±0.01	0±0/888 (0.0± 0.1%)
All	All	0.49	0/16450 (0.0%)	0.59	7/22200 (0.0%)

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	124	TYR	CB-CG-CD1	-5.39	117.77	121.00	22	7

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	644	656	654	33±3
All	All	16100	16400	16350	816

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 25.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:113:LEU:O	1:A:117:ARG:HG3	0.73	1.82	8	1

Continued on next page...

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:77:GLN:HG3	1:A:123:LEU:HD22	0.71	1.60	18	22
1:A:119:ARG:HB3	1:A:122:LYS:HB2	0.70	1.63	12	7
1:A:96:HIS:CE1	1:A:98:LEU:HD12	0.68	2.24	9	6
1:A:64:GLU:O	1:A:68:GLU:HG3	0.67	1.89	16	22
1:A:113:LEU:O	1:A:117:ARG:HG2	0.65	1.92	15	2
1:A:87:PHE:HE1	1:A:131:CYS:HG	0.65	1.32	3	3
1:A:60:LYS:HB2	1:A:101:ALA:HB2	0.63	1.71	16	5
1:A:108:ILE:HG21	1:A:133:VAL:HG21	0.62	1.71	16	25
1:A:65:LYS:O	1:A:69:GLU:HG2	0.62	1.94	6	9
1:A:123:LEU:HG	1:A:127:ILE:HD11	0.62	1.72	7	25
1:A:60:LYS:HB3	1:A:101:ALA:HB2	0.61	1.70	23	4
1:A:123:LEU:HG	1:A:127:ILE:CD1	0.61	2.25	7	25
1:A:122:LYS:HE3	1:A:126:TYR:OH	0.61	1.95	12	14
1:A:73:LEU:O	1:A:77:GLN:HG2	0.61	1.95	23	24
1:A:91:ARG:NE	1:A:91:ARG:HA	0.60	2.11	10	2
1:A:90:ASN:O	1:A:94:ARG:HG3	0.60	1.96	20	3
1:A:71:LEU:HD23	1:A:88:LEU:HD13	0.60	1.74	8	25
1:A:107:ASN:O	1:A:111:ARG:HG2	0.59	1.96	18	5
1:A:68:GLU:O	1:A:72:GLU:HG2	0.59	1.97	2	19
1:A:69:GLU:HB2	1:A:113:LEU:HD21	0.59	1.74	4	6
1:A:97:SER:HA	1:A:100:LEU:HD12	0.57	1.76	13	25
1:A:66:LEU:HB2	1:A:109:LEU:HD13	0.57	1.77	25	25
1:A:91:ARG:HB3	1:A:134:LEU:HB2	0.57	1.77	15	22
1:A:130:LEU:O	1:A:134:LEU:HG	0.57	2.00	3	25
1:A:108:ILE:HA	1:A:111:ARG:HE	0.56	1.60	1	2
1:A:115:ARG:HB3	1:A:126:TYR:CZ	0.56	2.35	15	22
1:A:122:LYS:HB3	1:A:126:TYR:CZ	0.56	2.36	12	3
1:A:84:VAL:HG11	1:A:127:ILE:HD13	0.56	1.78	25	25
1:A:77:GLN:HG3	1:A:123:LEU:CD2	0.55	2.32	11	15
1:A:113:LEU:O	1:A:117:ARG:HD3	0.55	2.02	24	8
1:A:91:ARG:HA	1:A:91:ARG:HE	0.54	1.61	1	1
1:A:70:PHE:HB2	1:A:113:LEU:HD11	0.54	1.78	1	11
1:A:125:VAL:O	1:A:129:GLU:HB2	0.54	2.02	15	14
1:A:60:LYS:HB3	1:A:101:ALA:CB	0.54	2.32	23	4
1:A:135:LYS:O	1:A:135:LYS:HD2	0.54	2.02	13	6
1:A:107:ASN:O	1:A:111:ARG:HG3	0.53	2.02	7	9
1:A:92:GLN:HE22	1:A:105:PHE:HE2	0.53	1.47	25	2
1:A:63:ASN:HB3	1:A:105:PHE:CD2	0.52	2.40	10	22
1:A:91:ARG:NH2	1:A:94:ARG:HG3	0.52	2.20	10	1
1:A:71:LEU:HD22	1:A:85:VAL:HG13	0.52	1.82	24	5
1:A:66:LEU:O	1:A:113:LEU:HD11	0.51	2.05	3	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:95:ALA:HB3	1:A:100:LEU:HD21	0.51	1.80	21	10
1:A:91:ARG:HG3	1:A:131:CYS:SG	0.51	2.46	6	4
1:A:84:VAL:HG21	1:A:124:TYR:CE1	0.51	2.41	18	2
1:A:92:GLN:N	1:A:134:LEU:HD13	0.51	2.21	8	24
1:A:65:LYS:HE2	1:A:69:GLU:HG2	0.51	1.82	9	1
1:A:78:THR:HB	1:A:81:HIS:HB2	0.51	1.82	13	1
1:A:108:ILE:O	1:A:112:VAL:HG22	0.51	2.06	9	25
1:A:108:ILE:O	1:A:111:ARG:HB2	0.51	2.06	10	7
1:A:122:LYS:HD2	1:A:125:VAL:HG21	0.50	1.83	12	3
1:A:70:PHE:HB2	1:A:113:LEU:CD1	0.50	2.37	10	10
1:A:64:GLU:O	1:A:68:GLU:HG2	0.49	2.07	6	2
1:A:81:HIS:O	1:A:84:VAL:HB	0.49	2.07	25	18
1:A:75:LYS:HG3	1:A:85:VAL:HG21	0.49	1.83	3	1
1:A:87:PHE:HE1	1:A:131:CYS:SG	0.49	2.30	3	3
1:A:92:GLN:CA	1:A:134:LEU:HD13	0.49	2.38	25	2
1:A:60:LYS:O	1:A:64:GLU:HG3	0.49	2.07	23	1
1:A:83:GLU:HA	1:A:86:PRO:HG2	0.48	1.85	24	19
1:A:96:HIS:CE1	1:A:98:LEU:HD23	0.48	2.44	16	1
1:A:91:ARG:NE	1:A:91:ARG:CA	0.48	2.75	10	1
1:A:62:GLU:O	1:A:66:LEU:HG	0.47	2.10	23	13
1:A:70:PHE:O	1:A:73:LEU:HB3	0.47	2.10	10	12
1:A:73:LEU:HD13	1:A:117:ARG:HH11	0.47	1.70	24	1
1:A:96:HIS:O	1:A:100:LEU:HG	0.46	2.11	19	4
1:A:90:ASN:OD1	1:A:94:ARG:HD2	0.46	2.11	19	2
1:A:91:ARG:HB3	1:A:134:LEU:CD1	0.45	2.41	1	2
1:A:108:ILE:HG22	1:A:130:LEU:CD1	0.45	2.41	19	16
1:A:75:LYS:HG2	1:A:85:VAL:HG21	0.45	1.87	20	3
1:A:108:ILE:HD13	1:A:133:VAL:CG1	0.45	2.42	3	4
1:A:60:LYS:HB2	1:A:101:ALA:CB	0.45	2.41	9	4
1:A:119:ARG:HD2	1:A:122:LYS:HG3	0.45	1.89	17	4
1:A:75:LYS:CG	1:A:85:VAL:HG21	0.45	2.42	3	2
1:A:71:LEU:O	1:A:75:LYS:HG3	0.45	2.12	25	4
1:A:71:LEU:HD21	1:A:88:LEU:HB3	0.45	1.89	23	5
1:A:60:LYS:HD2	1:A:60:LYS:C	0.45	2.32	22	1
1:A:71:LEU:HD21	1:A:88:LEU:CB	0.45	2.42	13	16
1:A:122:LYS:HE3	1:A:125:VAL:HG21	0.45	1.89	20	1
1:A:112:VAL:HB	1:A:126:TYR:HB3	0.44	1.89	18	2
1:A:72:GLU:O	1:A:76:MET:HG3	0.44	2.13	23	8
1:A:60:LYS:HD3	1:A:60:LYS:C	0.44	2.33	6	7
1:A:105:PHE:CE2	1:A:109:LEU:HD11	0.44	2.46	22	2
1:A:96:HIS:ND1	1:A:98:LEU:HB2	0.44	2.28	21	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:131:CYS:O	1:A:135:LYS:HB2	0.44	2.13	7	2
1:A:91:ARG:CA	1:A:91:ARG:HE	0.44	2.26	10	1
1:A:90:ASN:O	1:A:94:ARG:HG2	0.43	2.12	10	1
1:A:81:HIS:HB3	1:A:84:VAL:HG23	0.43	1.90	25	5
1:A:108:ILE:HG12	1:A:111:ARG:HH21	0.43	1.73	15	1
1:A:91:ARG:HD3	1:A:131:CYS:O	0.43	2.14	1	1
1:A:87:PHE:O	1:A:91:ARG:HG2	0.43	2.14	3	1
1:A:87:PHE:HE1	1:A:91:ARG:HE	0.43	1.56	15	1
1:A:89:TYR:O	1:A:93:GLN:HG2	0.43	2.13	15	2
1:A:116:ALA:HB1	1:A:123:LEU:HD13	0.43	1.90	19	1
1:A:60:LYS:HD3	1:A:61:LEU:N	0.43	2.29	23	1
1:A:72:GLU:HA	1:A:75:LYS:HD2	0.43	1.89	23	1
1:A:135:LYS:HA	1:A:135:LYS:HE2	0.42	1.91	19	1
1:A:71:LEU:CD2	1:A:88:LEU:HD13	0.42	2.44	15	5
1:A:68:GLU:O	1:A:72:GLU:HG3	0.42	2.15	23	3
1:A:78:THR:HG22	1:A:124:TYR:CE1	0.42	2.49	22	1
1:A:71:LEU:HD23	1:A:88:LEU:CD1	0.42	2.43	18	1
1:A:115:ARG:HD3	1:A:126:TYR:CE1	0.42	2.49	20	2
1:A:116:ALA:HA	1:A:126:TYR:CE2	0.42	2.50	7	1
1:A:69:GLU:CB	1:A:113:LEU:HD21	0.42	2.45	17	2
1:A:71:LEU:HD23	1:A:71:LEU:HA	0.42	1.66	15	3
1:A:73:LEU:HA	1:A:76:MET:CE	0.42	2.45	21	2
1:A:61:LEU:HD23	1:A:61:LEU:HA	0.42	1.67	23	2
1:A:112:VAL:O	1:A:116:ALA:N	0.41	2.51	5	3
1:A:91:ARG:HB3	1:A:134:LEU:CB	0.41	2.46	23	2
1:A:108:ILE:CG2	1:A:133:VAL:HG21	0.41	2.45	1	1
1:A:123:LEU:HA	1:A:126:TYR:CD2	0.41	2.51	3	2
1:A:111:ARG:O	1:A:115:ARG:HG3	0.41	2.16	5	1
1:A:92:GLN:NE2	1:A:100:LEU:HD22	0.41	2.31	7	1
1:A:91:ARG:NH1	1:A:135:LYS:HG2	0.41	2.31	1	1
1:A:74:CYS:HA	1:A:123:LEU:HD21	0.41	1.93	3	1
1:A:111:ARG:HA	1:A:111:ARG:HE	0.41	1.75	25	1
1:A:92:GLN:HA	1:A:134:LEU:HD13	0.40	1.92	9	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

was analysed and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	78/94 (83%)	77±0 (98±1%)	1±0 (2±1%)	0±0 (0±0%)	100	100
All	All	1950/2350 (83%)	1920 (98%)	30 (2%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	71/84 (85%)	62±2 (87±2%)	9±2 (13±2%)	6	47
All	All	1775/2100 (85%)	1550 (87%)	225 (13%)	6	47

All 27 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	89	TYR	25
1	A	113	LEU	25
1	A	77	GLN	23
1	A	135	LYS	22
1	A	64	GLU	17
1	A	129	GLU	16
1	A	61	LEU	14
1	A	128	ASN	12
1	A	118	SER	10
1	A	117	ARG	9
1	A	60	LYS	9
1	A	65	LYS	8
1	A	92	GLN	7
1	A	62	GLU	7
1	A	124	TYR	6
1	A	91	ARG	2
1	A	90	ASN	2
1	A	71	LEU	2
1	A	131	CYS	1

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Mol	Chain	Res	Type	Models (Total)
1	A	94	ARG	1
1	A	80	ASP	1
1	A	102	SER	1
1	A	111	ARG	1
1	A	107	ASN	1
1	A	73	LEU	1
1	A	87	PHE	1
1	A	104	GLU	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 91% for the well-defined parts and 90% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1221
Number of shifts mapped to atoms	1221
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	92	-0.67 ± 0.10	Should be checked
$^{13}C_{\beta}$	91	0.21 ± 0.13	None needed (< 0.5 ppm)
$^{13}C'$	87	-0.62 ± 0.12	Should be applied
^{15}N	88	-0.41 ± 0.40	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 91%, i.e. 1039 atoms were assigned a chemical shift out of a possible 1141. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	381/384 (99%)	153/153 (100%)	153/156 (98%)	75/75 (100%)
Sidechain	588/657 (89%)	397/427 (93%)	184/200 (92%)	7/30 (23%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	70/100 (70%)	43/49 (88%)	27/46 (59%)	0/5 (0%)
Overall	1039/1141 (91%)	593/629 (94%)	364/402 (91%)	82/110 (75%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 90%, i.e. 1220 atoms were assigned a chemical shift out of a possible 1353. 0 out of 18 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	448/466 (96%)	181/187 (97%)	179/188 (95%)	88/91 (97%)
Sidechain	692/771 (90%)	466/500 (93%)	218/235 (93%)	8/36 (22%)
Aromatic	80/116 (69%)	49/57 (86%)	31/53 (58%)	0/6 (0%)
Overall	1220/1353 (90%)	696/744 (94%)	428/476 (90%)	96/133 (72%)

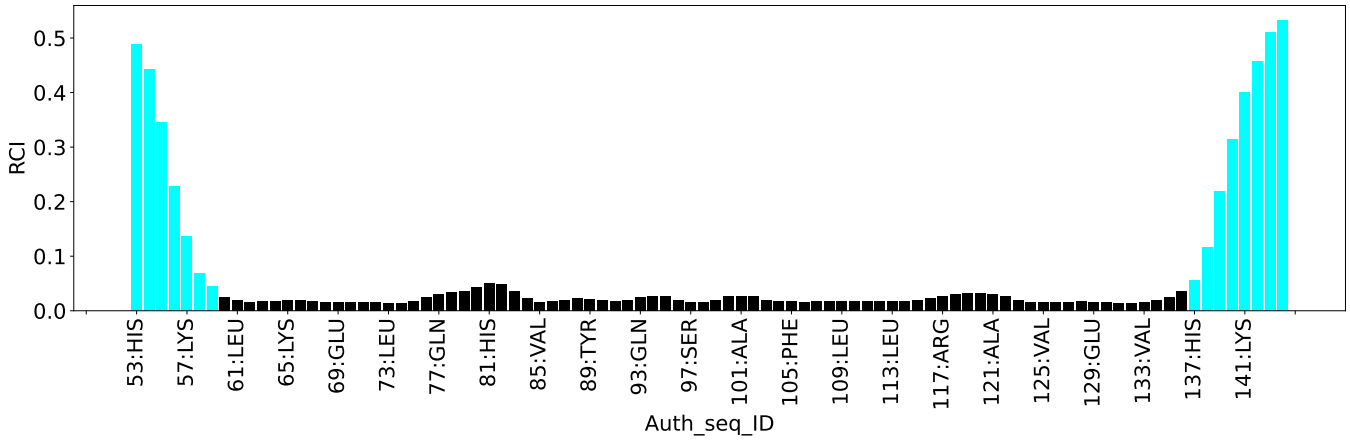
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3585
Intra-residue (|i-j|=0)	1153
Sequential (|i-j|=1)	709
Medium range (|i-j|>1 and |i-j|<5)	962
Long range (|i-j|≥5)	761
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	138
Number of unmapped restraints	0
Number of restraints per residue	39.6
Number of long range restraints per residue[1]	8.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	164.2	0.2
0.2-0.5 (Medium)	337.9	0.5
>0.5 (Large)	326.7	3.97

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	7.6	6.63
10.0-20.0 (Medium)	0.0	10.27
>20.0 (Large)	None	None

9 Distance violation analysis (i)

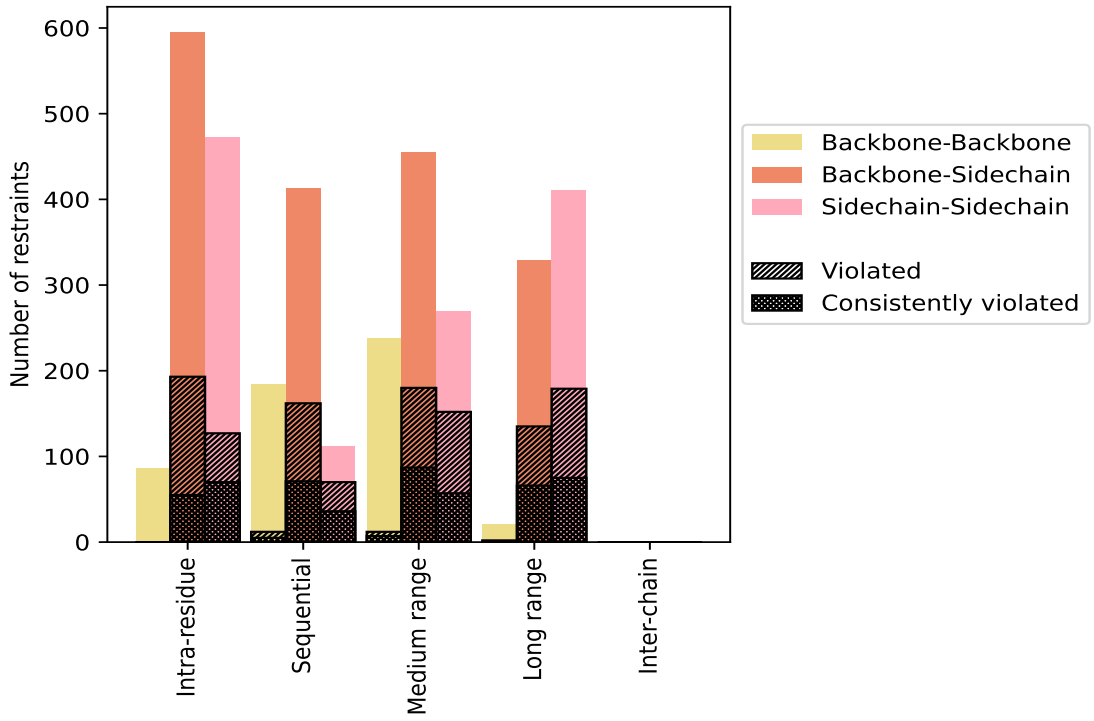
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1153	32.2	320	27.8	8.9	125	10.8	3.5
Backbone-Backbone	86	2.4	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	595	16.6	193	32.4	5.4	55	9.2	1.5
Sidechain-Sidechain	472	13.2	127	26.9	3.5	70	14.8	2.0
Sequential (|i-j|=1)	709	19.8	244	34.4	6.8	112	15.8	3.1
Backbone-Backbone	184	5.1	12	6.5	0.3	5	2.7	0.1
Backbone-Sidechain	413	11.5	162	39.2	4.5	71	17.2	2.0
Sidechain-Sidechain	112	3.1	70	62.5	2.0	36	32.1	1.0
Medium range (|i-j|>1 & |i-j|<5)	962	26.8	344	35.8	9.6	151	15.7	4.2
Backbone-Backbone	238	6.6	12	5.0	0.3	7	2.9	0.2
Backbone-Sidechain	455	12.7	180	39.6	5.0	87	19.1	2.4
Sidechain-Sidechain	269	7.5	152	56.5	4.2	57	21.2	1.6
Long range (|i-j|≥5)	761	21.2	316	41.5	8.8	141	18.5	3.9
Backbone-Backbone	21	0.6	2	9.5	0.1	0	0.0	0.0
Backbone-Sidechain	329	9.2	135	41.0	3.8	66	20.1	1.8
Sidechain-Sidechain	411	11.5	179	43.6	5.0	75	18.2	2.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3585	100.0	1224	34.1	34.1	529	14.8	14.8
Backbone-Backbone	529	14.8	26	4.9	0.7	12	2.3	0.3
Backbone-Sidechain	1792	50.0	670	37.4	18.7	279	15.6	7.8
Sidechain-Sidechain	1264	35.3	528	41.8	14.7	238	18.8	6.6

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	223	172	234	200	0	829	0.52	3.3	0.42	0.41
2	217	181	226	212	0	836	0.5	3.09	0.4	0.39
3	214	168	247	204	0	833	0.53	3.97	0.48	0.41
4	214	175	237	210	0	836	0.51	3.18	0.42	0.4
5	210	175	246	203	0	834	0.51	3.25	0.4	0.4
6	214	181	231	215	0	841	0.51	3.1	0.4	0.4
7	209	174	235	214	0	832	0.5	2.97	0.4	0.39
8	218	180	237	204	0	839	0.5	3.22	0.41	0.4
9	210	183	253	224	0	870	0.51	3.06	0.39	0.41
10	207	167	236	206	0	816	0.51	3.18	0.4	0.41

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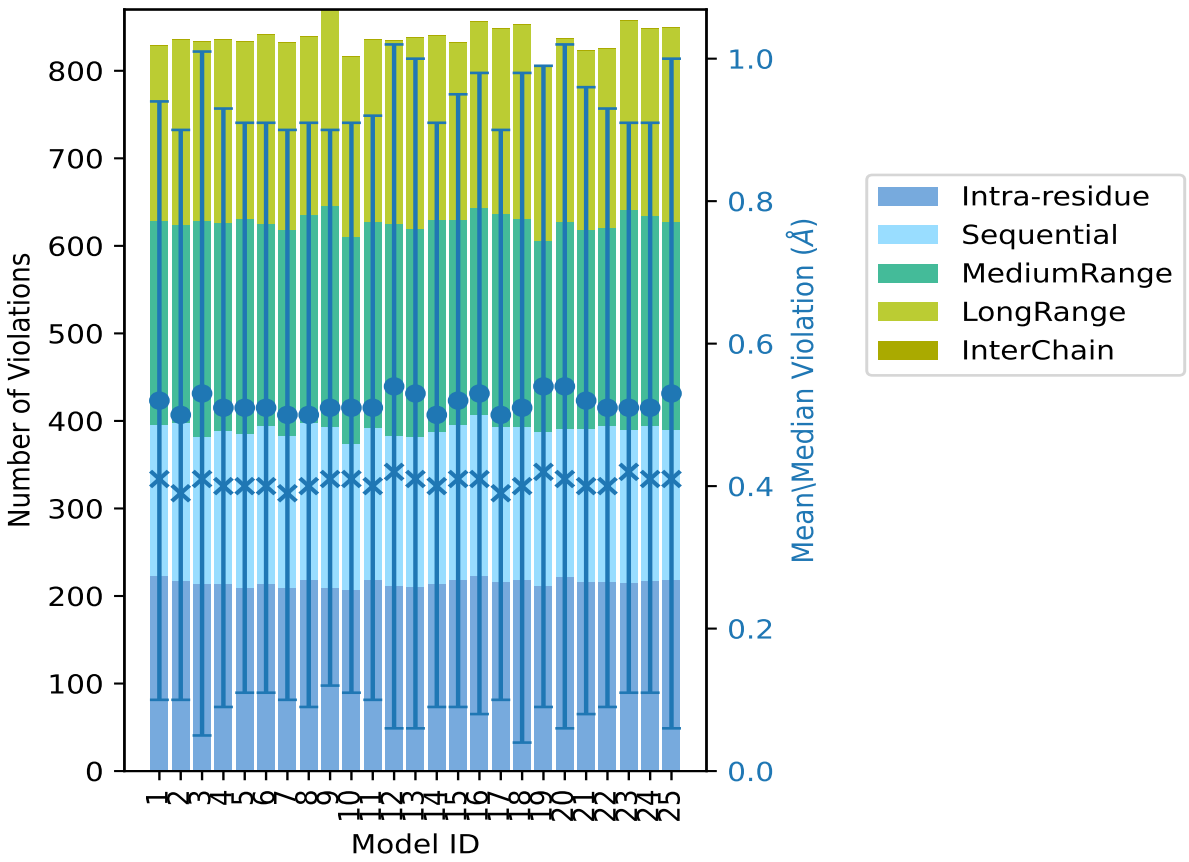
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	219	173	235	209	0	836	0.51	3.15	0.41	0.4
12	212	171	242	210	0	835	0.54	3.96	0.48	0.42
13	211	171	237	219	0	838	0.53	3.52	0.47	0.41
14	214	173	243	210	0	840	0.5	3.2	0.41	0.4
15	218	178	234	202	0	832	0.52	3.55	0.43	0.41
16	223	184	237	212	0	856	0.53	3.93	0.45	0.41
17	216	177	244	211	0	848	0.5	3.24	0.4	0.39
18	219	174	238	222	0	853	0.51	3.74	0.47	0.4
19	212	176	218	199	0	805	0.54	3.37	0.45	0.42
20	222	169	236	210	0	837	0.54	3.8	0.48	0.41
21	216	175	227	205	0	823	0.52	3.37	0.44	0.4
22	216	178	227	204	0	825	0.51	3.24	0.42	0.4
23	215	175	251	217	0	858	0.51	3.11	0.4	0.42
24	217	178	240	213	0	848	0.51	3.08	0.4	0.41
25	218	172	238	222	0	850	0.53	3.86	0.47	0.41

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6]Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model



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

9.3 Distance violation statistics for the ensemble

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, 2361(IR:833, SQ:465, MR:618, LR:445, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
26	18	25	16	0	85	1	4.0
11	8	15	22	0	56	2	8.0
17	8	15	12	0	52	3	12.0
13	7	12	10	0	42	4	16.0
13	3	6	3	0	25	5	20.0
7	7	6	3	0	23	6	24.0

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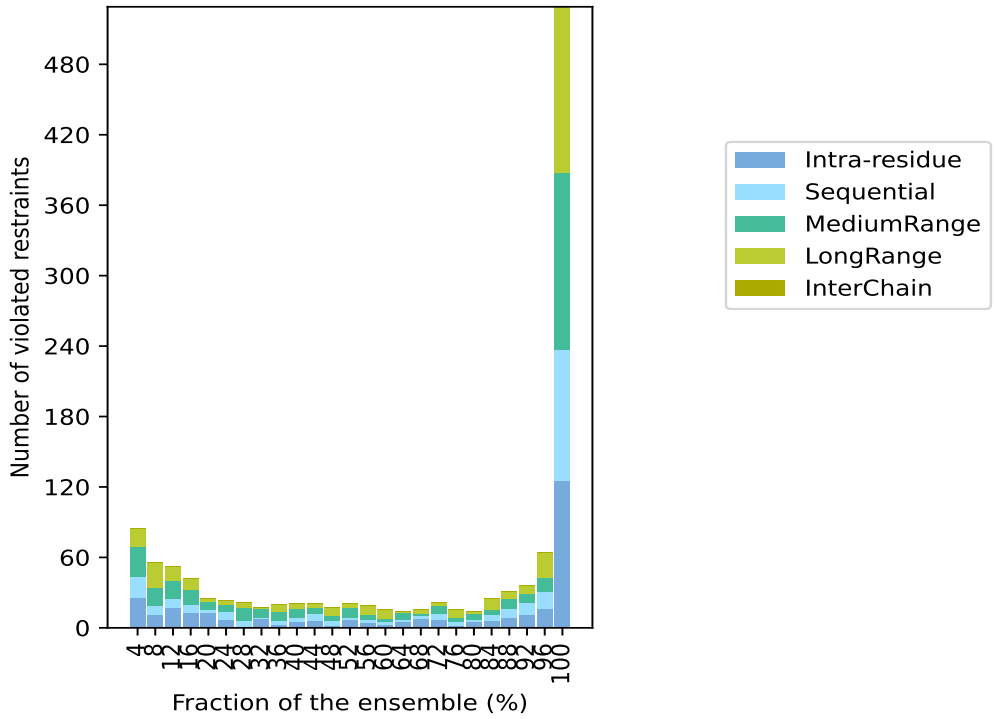
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
1	5	11	5	0	22	7	28.0
8	1	7	1	0	17	8	32.0
3	3	8	6	0	20	9	36.0
5	4	7	5	0	21	10	40.0
6	6	5	4	0	21	11	44.0
2	4	4	7	0	17	12	48.0
7	2	8	4	0	21	13	52.0
4	3	4	8	0	19	14	56.0
3	2	3	8	0	16	15	60.0
5	2	6	1	0	14	16	64.0
8	2	2	4	0	16	17	68.0
7	5	7	3	0	22	18	72.0
2	3	4	7	0	16	19	76.0
5	2	5	2	0	14	20	80.0
6	5	4	10	0	25	21	84.0
9	7	9	6	0	31	22	88.0
11	10	8	7	0	36	23	92.0
16	15	12	21	0	64	24	96.0
125	112	151	141	0	529	25	100.0

[1]Intra-residue restraints, [2]Sequential restraints, [3]Medium range restraints, [4]Long range restraints, [5]Inter-chain restraints, [6] Number of models with violations

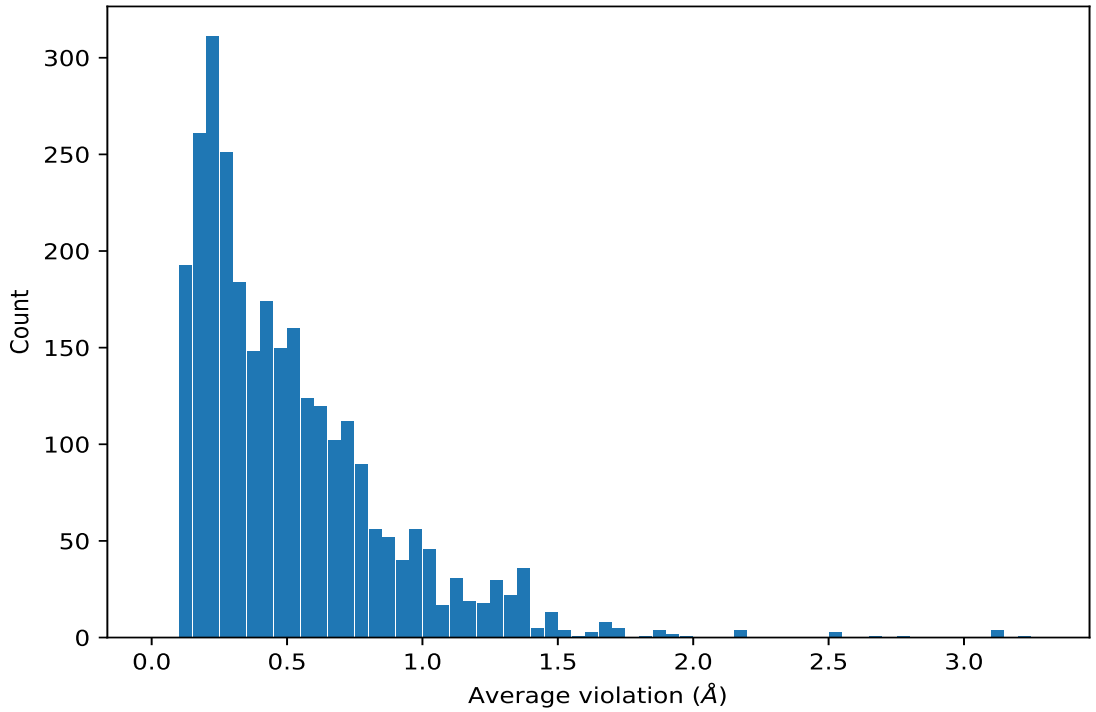
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	25	3.23	0.2	3.21
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	25	3.11	0.09	3.12
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	25	3.11	0.09	3.12
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	25	3.11	0.09	3.12
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	25	3.1	0.28	3.04
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	25	2.79	0.08	2.78
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	25	2.66	0.2	2.58
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	25	2.54	0.1	2.54
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	25	2.54	0.1	2.54
(1,2659)	1:116:A:ALA:HB2	1:126:A:TYR:HD1	25	2.54	0.1	2.54
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	25	2.19	0.27	2.1
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	25	2.19	0.04	2.19
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	25	2.19	0.04	2.19
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD22	25	2.19	0.04	2.19
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	25	1.97	0.18	1.95
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	25	1.94	0.29	1.99

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	25	1.89	0.22	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	25	1.89	0.22	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG22	25	1.89	0.22	1.94
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	25	1.87	0.3	1.95
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	25	1.84	0.03	1.84
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	25	1.74	0.11	1.74
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	25	1.73	0.03	1.74
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	25	1.73	0.09	1.76
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	25	1.73	0.09	1.76
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	25	1.73	0.09	1.76
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	25	1.69	0.05	1.69
(1,3102)	1:130:A:LEU:HD22	1:112:A:VAL:H	25	1.69	0.05	1.69
(1,3102)	1:130:A:LEU:HD21	1:112:A:VAL:H	25	1.69	0.05	1.69
(1,3102)	1:130:A:LEU:HD23	1:70:A:PHE:H	25	1.69	0.05	1.69
(1,3102)	1:130:A:LEU:HD22	1:70:A:PHE:H	25	1.69	0.05	1.69
(1,3102)	1:130:A:LEU:HD21	1:70:A:PHE:H	25	1.69	0.05	1.69
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	25	1.66	0.29	1.68
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	25	1.5	0.28	1.36
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	25	1.47	0.05	1.47
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	25	1.47	0.05	1.47
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	25	1.47	0.05	1.47
(1,2932)	1:88:A:LEU:HD13	1:130:A:LEU:H	25	1.47	0.05	1.47
(1,2932)	1:88:A:LEU:HD12	1:130:A:LEU:H	25	1.47	0.05	1.47
(1,2971)	1:95:A:ALA:HB2	1:99:A:PHE:HZ	25	1.47	0.19	1.52
(1,2971)	1:95:A:ALA:HB1	1:99:A:PHE:HZ	25	1.47	0.19	1.52
(1,2971)	1:95:A:ALA:HB3	1:99:A:PHE:HZ	25	1.47	0.19	1.52
(1,2971)	1:95:A:ALA:HB3	1:92:A:GLN:HE21	25	1.47	0.19	1.52
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE21	25	1.47	0.19	1.52
(1,2971)	1:95:A:ALA:HB2	1:92:A:GLN:HE21	25	1.47	0.19	1.52
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE22	25	1.47	0.19	1.52
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	25	1.44	0.08	1.47
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	25	1.44	0.08	1.47
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	25	1.44	0.08	1.47
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	25	1.41	0.3	1.48
(1,3042)	1:118:A:SER:HA	1:117:A:ARG:HG3	25	1.41	0.3	1.48
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB2	25	1.38	0.29	1.31
(1,2976)	1:98:A:LEU:HD11	1:96:A:HIS:HA	25	1.38	0.29	1.31
(1,2976)	1:98:A:LEU:HD12	1:102:A:SER:HB3	25	1.38	0.29	1.31
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	25	1.38	0.29	1.31
(1,2976)	1:98:A:LEU:HD11	1:102:A:SER:HB3	25	1.38	0.29	1.31
(1,2976)	1:98:A:LEU:HD12	1:96:A:HIS:HA	25	1.38	0.29	1.31
(1,2976)	1:98:A:LEU:HD11	1:102:A:SER:HB2	25	1.38	0.29	1.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2976)	1:98:A:LEU:HD13	1:96:A:HIS:HA	25	1.38	0.29	1.31
(1,2987)	1:100:A:LEU:HD23	1:105:A:PHE:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD23	1:96:A:HIS:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD21	1:99:A:PHE:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD21	1:96:A:HIS:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD22	1:99:A:PHE:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD23	1:99:A:PHE:HA	25	1.37	0.1	1.39
(1,2987)	1:100:A:LEU:HD21	1:105:A:PHE:HA	25	1.37	0.1	1.39
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG23	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG21	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG21	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG23	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG23	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG22	25	1.37	0.02	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG21	25	1.37	0.02	1.37
(1,3120)	1:134:A:LEU:HD22	1:100:A:LEU:H	25	1.36	0.09	1.37
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	25	1.36	0.09	1.37
(1,3120)	1:134:A:LEU:HD23	1:100:A:LEU:H	25	1.36	0.09	1.37
(1,3120)	1:134:A:LEU:HD23	1:133:A:VAL:H	25	1.36	0.09	1.37
(1,3120)	1:134:A:LEU:HD22	1:133:A:VAL:H	25	1.36	0.09	1.37
(1,3120)	1:134:A:LEU:HD21	1:100:A:LEU:H	25	1.36	0.09	1.37
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	25	1.34	0.17	1.37
(1,3058)	1:123:A:LEU:HD21	1:70:A:PHE:HE1	25	1.34	0.17	1.37
(1,3058)	1:123:A:LEU:HD22	1:126:A:TYR:HD2	25	1.34	0.17	1.37
(1,3058)	1:123:A:LEU:HD21	1:126:A:TYR:HD2	25	1.34	0.17	1.37
(1,3058)	1:123:A:LEU:HD22	1:70:A:PHE:HE1	25	1.34	0.17	1.37
(1,3058)	1:123:A:LEU:HD23	1:126:A:TYR:HD2	25	1.34	0.17	1.37
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	25	1.33	0.2	1.33
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	25	1.33	0.2	1.33
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	25	1.33	0.2	1.33
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	25	1.32	0.15	1.32
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	25	1.32	0.15	1.32
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	25	1.32	0.15	1.32
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	25	1.32	0.23	1.38
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	25	1.32	0.23	1.38
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	25	1.32	0.23	1.38
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	25	1.32	0.07	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	25	1.32	0.07	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	25	1.32	0.07	1.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	25	1.3	0.08	1.32
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	25	1.3	0.08	1.32
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	25	1.3	0.08	1.32
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	25	1.27	0.15	1.38
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD22	25	1.25	0.1	1.29
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	25	1.25	0.1	1.29
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD23	25	1.25	0.1	1.29
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD22	25	1.25	0.1	1.29
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD21	25	1.25	0.1	1.29
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD23	25	1.25	0.1	1.29
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	25	1.25	0.17	1.24
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	25	1.25	0.17	1.24
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD11	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD13	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD12	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD12	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD12	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD13	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD11	25	1.25	0.18	1.24
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD11	25	1.25	0.18	1.24
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG22	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG21	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG21	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG23	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG23	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG22	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG21	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG23	25	1.25	0.03	1.24
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG22	25	1.25	0.03	1.24
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	25	1.24	0.08	1.24
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	25	1.24	0.08	1.24
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	25	1.24	0.08	1.24
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	25	1.22	0.35	1.05
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	25	1.22	0.35	1.05
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	25	1.22	0.35	1.05
(1,2937)	1:87:A:PHE:HB2	1:88:A:LEU:HD11	25	1.22	0.35	1.05
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD12	25	1.21	0.08	1.21
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD13	25	1.21	0.08	1.21
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD11	25	1.21	0.08	1.21
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD13	25	1.21	0.08	1.21
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD12	25	1.21	0.08	1.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD11	25	1.21	0.08	1.21
(1,2718)	1:88:A:LEU:HD21	1:130:A:LEU:HD13	25	1.21	0.08	1.21
(1,2718)	1:88:A:LEU:HD21	1:130:A:LEU:HD11	25	1.21	0.08	1.21
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	25	1.19	0.05	1.17
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	25	1.19	0.05	1.17
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	25	1.19	0.05	1.17
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	25	1.19	0.03	1.19
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	25	1.19	0.03	1.19
(1,2712)	1:71:A:LEU:HD12	1:88:A:LEU:HG	25	1.19	0.03	1.19
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	25	1.18	0.16	1.15
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	25	1.18	0.16	1.15
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	25	1.18	0.16	1.15
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	25	1.17	0.08	1.17
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB3	25	1.17	0.08	1.17
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	25	1.17	0.08	1.17
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB3	25	1.17	0.08	1.17
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB2	25	1.17	0.08	1.17
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB3	25	1.17	0.08	1.17
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	25	1.14	0.12	1.17
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD23	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD21	25	1.14	0.09	1.16
(1,2727)	1:123:A:LEU:HD13	1:127:A:ILE:HG21	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD23	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD22	25	1.14	0.09	1.16
(1,2727)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD21	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD21	25	1.14	0.09	1.16
(1,2727)	1:123:A:LEU:HD13	1:127:A:ILE:HG22	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD22	25	1.14	0.09	1.16
(1,2727)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD23	25	1.14	0.09	1.16
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD22	25	1.14	0.09	1.16
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG11	25	1.13	0.05	1.13
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	25	1.13	0.05	1.13
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG12	25	1.13	0.05	1.13
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG13	25	1.13	0.05	1.13
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG13	25	1.13	0.05	1.13
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG11	25	1.13	0.05	1.13
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG12	25	1.13	0.05	1.13
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	25	1.13	0.03	1.13
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	25	1.13	0.03	1.13
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	25	1.13	0.03	1.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	25	1.12	0.14	1.16
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	25	1.12	0.14	1.16
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	25	1.12	0.14	1.16
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	25	1.1	0.08	1.08
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	25	1.1	0.08	1.08
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	25	1.1	0.08	1.08
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	25	1.09	0.18	1.1
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	25	1.08	0.06	1.06
(1,2916)	1:133:A:VAL:HG23	1:134:A:LEU:H	25	1.08	0.06	1.06
(1,2916)	1:133:A:VAL:HG22	1:134:A:LEU:H	25	1.08	0.06	1.06
(1,2916)	1:133:A:VAL:HG21	1:130:A:LEU:H	25	1.08	0.06	1.06
(1,2916)	1:133:A:VAL:HG21	1:134:A:LEU:H	25	1.08	0.06	1.06
(1,2916)	1:133:A:VAL:HG22	1:130:A:LEU:H	25	1.08	0.06	1.06
(1,3462)	1:66:A:LEU:HD23	1:67:A:PHE:H	25	1.07	0.03	1.07
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	25	1.07	0.03	1.07
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	25	1.07	0.03	1.07
(1,3462)	1:66:A:LEU:HD21	1:67:A:PHE:H	25	1.07	0.03	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	25	1.06	0.01	1.06
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	25	1.05	0.06	1.05
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	25	1.05	0.06	1.05
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	25	1.05	0.06	1.05
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	25	1.04	0.13	1.04
(1,3048)	1:120:A:PRO:HB2	1:116:A:ALA:HA	25	1.04	0.13	1.04
(1,3160)	1:134:A:LEU:HD12	1:93:A:GLN:HG2	25	1.04	0.06	1.04
(1,3160)	1:100:A:LEU:HD11	1:93:A:GLN:HG2	25	1.04	0.06	1.04
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	25	1.04	0.06	1.04
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	25	1.04	0.06	1.04
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	25	1.03	0.1	1.06
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	25	1.03	0.1	1.06
(1,2974)	1:98:A:LEU:HD12	1:99:A:PHE:H	25	1.03	0.1	1.06
(1,2974)	1:113:A:LEU:HD11	1:67:A:PHE:HD1	25	1.03	0.1	1.06
(1,2974)	1:113:A:LEU:HD12	1:67:A:PHE:HD1	25	1.03	0.1	1.06
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD11	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD11	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD12	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD12	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD13	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD11	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD13	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD13	25	1.02	0.08	1.01
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD12	25	1.02	0.08	1.01
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	25	1.02	0.06	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	25	1.02	0.06	1.01
(1,3071)	1:125:A:VAL:HG21	1:126:A:TYR:HD1	25	1.02	0.06	1.01
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	25	1.01	0.06	1.03
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	25	1.01	0.06	1.03
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	25	1.01	0.06	1.03
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	25	1.01	0.17	1.02
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD22	25	1.0	0.05	1.01
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	25	1.0	0.05	1.01
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	25	1.0	0.05	1.01
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	25	1.0	0.05	1.01
(1,3103)	1:130:A:LEU:HD21	1:67:A:PHE:HZ	25	1.0	0.05	1.01
(1,3103)	1:130:A:LEU:HD21	1:105:A:PHE:HD1	25	1.0	0.05	1.01
(1,3103)	1:130:A:LEU:HD23	1:67:A:PHE:HZ	25	1.0	0.05	1.01
(1,3103)	1:130:A:LEU:HD22	1:105:A:PHE:HD1	25	1.0	0.05	1.01
(1,3103)	1:130:A:LEU:HD23	1:105:A:PHE:HD1	25	1.0	0.05	1.01
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	25	1.0	0.02	1.0
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	25	1.0	0.02	1.0
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	25	1.0	0.02	1.0
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	25	0.99	0.09	1.0
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	25	0.99	0.17	1.01
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD11	25	0.99	0.17	1.01
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	25	0.99	0.17	1.01
(1,3193)	1:88:A:LEU:HD13	1:74:A:CYS:H	25	0.99	0.17	1.01
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB3	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB1	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB2	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB1	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB2	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB3	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB1	25	0.99	0.03	0.99
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB3	25	0.99	0.03	0.99
(1,3134)	1:139:A:ALA:HB2	1:138:A:SER:HB2	25	0.98	0.3	1.03
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	25	0.98	0.3	1.03
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB3	25	0.98	0.3	1.03
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB2	25	0.98	0.3	1.03
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB2	25	0.98	0.3	1.03
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB3	25	0.98	0.3	1.03
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB3	25	0.98	0.3	1.03
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	25	0.98	0.09	1.02
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	25	0.98	0.09	1.02
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	25	0.98	0.09	1.02
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	25	0.98	0.03	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	25	0.98	0.03	0.98
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	25	0.98	0.03	0.98
(1,2985)	1:134:A:LEU:HD12	1:91:A:ARG:HA	25	0.97	0.08	0.97
(1,2985)	1:100:A:LEU:HD11	1:93:A:GLN:HA	25	0.97	0.08	0.97
(1,2985)	1:100:A:LEU:HD13	1:93:A:GLN:HA	25	0.97	0.08	0.97
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	25	0.97	0.08	0.97
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	25	0.97	0.08	0.97
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	25	0.96	0.26	0.81
(1,3157)	1:133:A:VAL:HG22	1:129:A:GLU:HG3	25	0.96	0.26	0.81
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	25	0.96	0.26	0.81
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD23	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD21	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD21	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD21	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD23	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD23	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD22	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD22	25	0.96	0.06	0.97
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD22	25	0.96	0.06	0.97
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	25	0.95	0.4	0.86
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	25	0.95	0.4	0.86
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD21	25	0.95	0.4	0.86
(1,2857)	1:65:A:LYS:HA	1:66:A:LEU:HD11	25	0.95	0.4	0.86
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	25	0.95	0.07	0.96
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	25	0.95	0.07	0.96
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	25	0.95	0.07	0.96
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	25	0.95	0.05	0.93
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	25	0.95	0.05	0.93
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG13	25	0.95	0.05	0.93
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	25	0.93	0.17	0.97
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	25	0.93	0.17	0.97
(1,1521)	1:125:A:VAL:HG21	1:122:A:LYS:HG3	25	0.93	0.17	0.97
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG11	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG12	25	0.93	0.06	0.91
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG13	25	0.93	0.06	0.91
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	25	0.91	0.06	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	25	0.91	0.06	0.93
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	25	0.91	0.06	0.93
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	25	0.9	0.12	0.89
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	25	0.9	0.12	0.89
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	25	0.9	0.12	0.89
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	25	0.89	0.1	0.92
(1,3133)	1:139:A:ALA:HB3	1:95:A:ALA:HA	25	0.89	0.1	0.92
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	25	0.89	0.1	0.92
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB1	25	0.89	0.1	0.92
(1,3133)	1:139:A:ALA:HB2	1:95:A:ALA:HA	25	0.89	0.1	0.92
(1,3133)	1:139:A:ALA:HB1	1:95:A:ALA:HA	25	0.89	0.1	0.92
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD23	25	0.88	0.05	0.88
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	25	0.88	0.05	0.88
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	25	0.88	0.05	0.88
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	25	0.88	0.02	0.88
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	25	0.88	0.02	0.88
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	25	0.88	0.02	0.88
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	25	0.88	0.14	0.89
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	25	0.88	0.05	0.89
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	25	0.88	0.05	0.89
(1,3494)	1:125:A:VAL:HG11	1:128:A:ASN:H	25	0.88	0.05	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	25	0.87	0.02	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	25	0.87	0.02	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	25	0.87	0.02	0.88
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	25	0.87	0.07	0.87
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	25	0.87	0.07	0.87
(1,2876)	1:71:A:LEU:HD13	1:85:A:VAL:HB	25	0.87	0.07	0.87
(1,2876)	1:71:A:LEU:HD12	1:72:A:GLU:HG3	25	0.87	0.07	0.87
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	25	0.87	0.22	0.93
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	25	0.85	0.07	0.88
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	25	0.85	0.07	0.88
(1,3072)	1:125:A:VAL:HG22	1:124:A:TYR:HA	25	0.85	0.07	0.88
(1,3072)	1:125:A:VAL:HG21	1:123:A:LEU:HA	25	0.85	0.07	0.88
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	25	0.85	0.36	0.97
(1,2970)	1:95:A:ALA:HB3	1:138:A:SER:HB2	25	0.85	0.36	0.97
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	25	0.85	0.36	0.97
(1,2970)	1:95:A:ALA:HB1	1:138:A:SER:HB2	25	0.85	0.36	0.97
(1,2970)	1:95:A:ALA:HB2	1:138:A:SER:HB2	25	0.85	0.36	0.97
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	25	0.85	0.36	0.97
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	25	0.85	0.08	0.86
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	25	0.85	0.08	0.86
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	25	0.85	0.08	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	25	0.84	0.21	0.91
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB3	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB3	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB1	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB2	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB2	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB1	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB1	25	0.84	0.04	0.84
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB3	25	0.84	0.04	0.84
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	25	0.83	0.05	0.83
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	25	0.83	0.05	0.83
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	25	0.83	0.05	0.83
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	25	0.83	0.13	0.84
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	25	0.83	0.13	0.84
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	25	0.83	0.13	0.84
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	25	0.83	0.04	0.84
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	25	0.83	0.04	0.84
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	25	0.83	0.04	0.84
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	25	0.82	0.08	0.8
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	25	0.82	0.05	0.82
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	25	0.82	0.05	0.82
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	25	0.82	0.05	0.82
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	25	0.81	0.02	0.81
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	25	0.81	0.09	0.84
(1,3037)	1:116:A:ALA:HB2	1:114:A:SER:H	25	0.81	0.09	0.84
(1,3037)	1:116:A:ALA:HB3	1:114:A:SER:H	25	0.81	0.09	0.84
(1,3037)	1:116:A:ALA:HB1	1:114:A:SER:H	25	0.81	0.09	0.84
(1,3037)	1:116:A:ALA:HB2	1:123:A:LEU:H	25	0.81	0.09	0.84
(1,3037)	1:116:A:ALA:HB3	1:123:A:LEU:H	25	0.81	0.09	0.84
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	25	0.81	0.05	0.8
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	25	0.81	0.05	0.8
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	25	0.81	0.05	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	25	0.81	0.01	0.81
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD3	25	0.81	0.23	0.92
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD2	25	0.81	0.23	0.92
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	25	0.81	0.23	0.92
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD2	25	0.81	0.23	0.92
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD3	25	0.81	0.23	0.92
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD2	25	0.81	0.23	0.92
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	25	0.81	0.08	0.82
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	25	0.8	0.63	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	25	0.79	0.08	0.79
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	25	0.79	0.08	0.79
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	25	0.79	0.08	0.79
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	25	0.79	0.05	0.78
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	25	0.78	0.23	0.75
(1,3051)	1:120:A:PRO:HD3	1:119:A:ARG:HG3	25	0.78	0.23	0.75
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	25	0.78	0.08	0.79
(1,3581)	1:70:A:PHE:HD1	1:73:A:LEU:HB3	25	0.78	0.08	0.79
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	25	0.78	0.05	0.79
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	25	0.78	0.05	0.79
(1,3192)	1:73:A:LEU:HD22	1:73:A:LEU:H	25	0.78	0.05	0.79
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	25	0.78	0.01	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	25	0.78	0.01	0.78
(1,1801)	1:85:A:VAL:HG13	1:85:A:VAL:H	25	0.78	0.01	0.78
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD21	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD22	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD23	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD21	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD21	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD23	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD23	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD22	25	0.78	0.03	0.78
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD22	25	0.78	0.03	0.78
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	25	0.77	0.04	0.77
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	25	0.77	0.04	0.77
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	25	0.77	0.04	0.77
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	25	0.77	0.06	0.77
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	25	0.77	0.06	0.77
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	25	0.77	0.06	0.77
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	25	0.77	0.06	0.77
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	25	0.77	0.06	0.77
(1,1513)	1:125:A:VAL:HG12	1:122:A:LYS:HA	25	0.77	0.06	0.77
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	25	0.77	0.16	0.72
(1,3041)	1:116:A:ALA:HB2	1:74:A:CYS:HG	25	0.77	0.16	0.72
(1,3041)	1:116:A:ALA:HB1	1:117:A:ARG:HB2	25	0.77	0.16	0.72
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	25	0.77	0.16	0.72
(1,3041)	1:116:A:ALA:HB1	1:74:A:CYS:HG	25	0.77	0.16	0.72
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	25	0.77	0.06	0.76
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	25	0.77	0.06	0.76
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	25	0.77	0.06	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	25	0.76	0.02	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	25	0.76	0.02	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	25	0.76	0.02	0.76
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	25	0.76	0.16	0.8
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	25	0.76	0.16	0.8
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	25	0.76	0.16	0.8
(1,3188)	1:62:A:GLU:H	1:60:A:LYS:HG3	25	0.76	0.16	0.8
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	25	0.76	0.19	0.85
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	25	0.76	0.19	0.85
(1,3092)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	25	0.76	0.19	0.85
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	25	0.76	0.06	0.75
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	25	0.76	0.06	0.75
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	25	0.76	0.06	0.75
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	25	0.76	0.16	0.79
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	25	0.76	0.16	0.79
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	25	0.76	0.16	0.79
(1,3057)	1:123:A:LEU:HD21	1:78:A:THR:H	25	0.75	0.08	0.76
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	25	0.75	0.08	0.76
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	25	0.75	0.08	0.76
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	25	0.75	0.15	0.74
(1,3454)	1:114:A:SER:H	1:112:A:VAL:HB	25	0.75	0.15	0.74
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	25	0.75	0.03	0.74
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	25	0.75	0.03	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	25	0.75	0.03	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	25	0.75	0.03	0.75
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	25	0.75	0.25	0.76
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	25	0.74	0.05	0.75
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	25	0.74	0.05	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	25	0.74	0.01	0.74
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	25	0.74	0.05	0.73
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	25	0.74	0.03	0.73
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	25	0.74	0.07	0.73
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	25	0.74	0.07	0.73
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	25	0.74	0.07	0.73
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	25	0.73	0.15	0.73
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	25	0.73	0.15	0.73
(1,3571)	1:116:A:ALA:HB2	1:126:A:TYR:HE2	25	0.73	0.15	0.73
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	25	0.73	0.02	0.73
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	25	0.73	0.02	0.73
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	25	0.73	0.02	0.73
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	25	0.73	0.05	0.73
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	25	0.73	0.05	0.73
(1,3147)	1:85:A:VAL:HG12	1:88:A:LEU:HB3	25	0.73	0.05	0.73
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG11	25	0.73	0.14	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG12	25	0.73	0.14	0.68
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG11	25	0.73	0.14	0.68
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG13	25	0.73	0.14	0.68
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG13	25	0.73	0.14	0.68
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG12	25	0.73	0.14	0.68
(1,2704)	1:88:A:LEU:HD21	1:84:A:VAL:HG13	25	0.73	0.14	0.68
(1,2704)	1:88:A:LEU:HD21	1:84:A:VAL:HG12	25	0.73	0.14	0.68
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	25	0.72	0.08	0.75
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	25	0.72	0.08	0.75
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	25	0.72	0.08	0.75
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	25	0.72	0.06	0.72
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	25	0.72	0.06	0.72
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	25	0.72	0.06	0.72
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	25	0.72	0.05	0.72
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	25	0.72	0.05	0.72
(1,1861)	1:113:A:LEU:HD22	1:114:A:SER:H	25	0.72	0.05	0.72
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	25	0.71	0.03	0.71
(1,929)	1:133:A:VAL:HG23	1:136:A:ALA:H	25	0.71	0.03	0.71
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	25	0.71	0.03	0.71
(1,2882)	1:71:A:LEU:HD22	1:67:A:PHE:HE1	25	0.71	0.04	0.72
(1,2882)	1:71:A:LEU:HD23	1:67:A:PHE:HE1	25	0.71	0.04	0.72
(1,2882)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	25	0.71	0.04	0.72
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	25	0.71	0.04	0.72
(1,2882)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	25	0.71	0.04	0.72
(1,2882)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	25	0.71	0.04	0.72
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	25	0.71	0.0	0.71
(1,2713)	1:54:A:MET:HE1	1:54:A:MET:HE3	25	0.71	0.0	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE1	25	0.71	0.0	0.71
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE1	25	0.71	0.0	0.71
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE3	25	0.71	0.0	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE3	25	0.71	0.0	0.71
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	25	0.71	0.03	0.71
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	25	0.71	0.03	0.71
(1,757)	1:71:A:LEU:HD13	1:72:A:GLU:H	25	0.71	0.03	0.71
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	25	0.71	0.04	0.72
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	25	0.71	0.04	0.72
(1,2744)	1:141:A:LYS:HD3	1:141:A:LYS:HG2	25	0.71	0.04	0.72
(1,2744)	1:140:A:LYS:HD3	1:140:A:LYS:HG2	25	0.71	0.04	0.72
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	25	0.71	0.04	0.72
(1,2744)	1:141:A:LYS:HD3	1:141:A:LYS:HG3	25	0.71	0.04	0.72
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG2	25	0.71	0.04	0.72
(1,2744)	1:142:A:LYS:HD3	1:142:A:LYS:HG2	25	0.71	0.04	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	25	0.71	0.12	0.72
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	25	0.71	0.12	0.72
(1,3069)	1:125:A:VAL:HG11	1:129:A:GLU:HA	25	0.71	0.12	0.72
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	25	0.71	0.05	0.71
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	25	0.71	0.05	0.71
(1,2940)	1:88:A:LEU:HD11	1:130:A:LEU:HB3	25	0.71	0.05	0.71
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	25	0.71	0.05	0.71
(1,2940)	1:88:A:LEU:HD12	1:130:A:LEU:HB3	25	0.71	0.05	0.71
(1,2940)	1:88:A:LEU:HD13	1:130:A:LEU:HB3	25	0.71	0.05	0.71
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	25	0.7	0.05	0.7
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	25	0.7	0.05	0.7
(1,2766)	1:113:A:LEU:HD21	1:70:A:PHE:HA	25	0.7	0.05	0.7
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG22	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG23	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG21	25	0.7	0.08	0.7
(1,2788)	1:78:A:THR:HG21	1:123:A:LEU:HG	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG23	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG22	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG21	25	0.7	0.08	0.7
(1,2788)	1:78:A:THR:HG22	1:123:A:LEU:HG	25	0.7	0.08	0.7
(1,2788)	1:78:A:THR:HG23	1:123:A:LEU:HG	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG23	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG22	25	0.7	0.08	0.7
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG21	25	0.7	0.08	0.7
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	25	0.7	0.12	0.71
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	25	0.7	0.12	0.71
(1,2944)	1:88:A:LEU:HD23	1:70:A:PHE:HB3	25	0.7	0.12	0.71
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	25	0.69	0.04	0.7
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	25	0.69	0.04	0.7
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	25	0.69	0.04	0.7
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	25	0.69	0.27	0.59
(1,3085)	1:127:A:ILE:HG23	1:128:A:ASN:HB2	25	0.69	0.27	0.59
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	25	0.69	0.27	0.59
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	25	0.69	0.27	0.59
(1,3085)	1:127:A:ILE:HG22	1:128:A:ASN:HB2	25	0.69	0.27	0.59
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	25	0.69	0.13	0.67
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	25	0.69	0.25	0.6
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	25	0.69	0.25	0.6
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	25	0.69	0.04	0.69
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	25	0.69	0.04	0.69
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	25	0.69	0.04	0.69
(1,856)	1:79:A:ALA:HB1	1:78:A:THR:H	25	0.69	0.09	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	25	0.69	0.09	0.7
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	25	0.69	0.09	0.7
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	25	0.69	0.06	0.7
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	25	0.69	0.06	0.7
(1,3456)	1:113:A:LEU:HD23	1:114:A:SER:H	25	0.69	0.06	0.7
(1,3456)	1:113:A:LEU:HD13	1:114:A:SER:H	25	0.69	0.06	0.7
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	25	0.69	0.08	0.68
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	25	0.67	0.06	0.67
(1,2926)	1:87:A:PHE:HB2	1:86:A:PRO:HB3	25	0.67	0.06	0.67
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	25	0.67	0.08	0.69
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	25	0.67	0.08	0.69
(1,3031)	1:113:A:LEU:HD23	1:117:A:ARG:HG2	25	0.67	0.08	0.69
(1,3031)	1:113:A:LEU:HD12	1:66:A:LEU:HB2	25	0.67	0.08	0.69
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	25	0.67	0.13	0.64
(1,2855)	1:62:A:GLU:HG2	1:61:A:LEU:HB2	25	0.67	0.13	0.64
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD22	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD23	1:71:A:LEU:HD21	25	0.67	0.05	0.67
(1,2752)	1:88:A:LEU:HD23	1:71:A:LEU:HD23	25	0.67	0.05	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	25	0.67	0.02	0.67
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD11	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD11	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD11	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD12	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD13	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD13	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD13	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD12	25	0.67	0.06	0.67
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD12	25	0.67	0.06	0.67
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	25	0.67	0.05	0.67
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	25	0.67	0.05	0.67
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	25	0.67	0.05	0.67
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	25	0.66	0.02	0.66
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	25	0.66	0.02	0.66
(1,3199)	1:88:A:LEU:HD22	1:88:A:LEU:H	25	0.66	0.02	0.66
(1,258)	1:100:A:LEU:HD21	1:100:A:LEU:HB2	25	0.66	0.02	0.66
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	25	0.66	0.02	0.66
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	25	0.66	0.02	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	25	0.66	0.31	0.8
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	25	0.66	0.31	0.8
(1,2862)	1:66:A:LEU:HD13	1:62:A:GLU:HB2	25	0.66	0.31	0.8
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	25	0.65	0.01	0.65
(1,2904)	1:79:A:ALA:HB3	1:80:A:ASP:HA	25	0.65	0.08	0.65
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	25	0.65	0.08	0.65
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	25	0.65	0.08	0.65
(1,2904)	1:79:A:ALA:HB2	1:76:A:MET:HA	25	0.65	0.08	0.65
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	25	0.65	0.06	0.65
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	25	0.65	0.06	0.65
(1,3451)	1:112:A:VAL:HG11	1:113:A:LEU:H	25	0.65	0.06	0.65
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	25	0.65	0.06	0.65
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	25	0.65	0.06	0.65
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	25	0.65	0.06	0.65
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	25	0.65	0.06	0.65
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	25	0.65	0.03	0.65
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	25	0.65	0.03	0.65
(1,2650)	1:71:A:LEU:HD12	1:89:A:TYR:HD1	25	0.65	0.03	0.65
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG21	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG23	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG23	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG22	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG21	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG21	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG22	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG22	25	0.65	0.05	0.64
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG23	25	0.65	0.05	0.64
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	25	0.64	0.11	0.65
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	25	0.64	0.11	0.65
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	25	0.64	0.11	0.65
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	25	0.64	0.05	0.66
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	25	0.64	0.05	0.66
(1,1511)	1:125:A:VAL:HG11	1:128:A:ASN:H	25	0.64	0.05	0.66
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	25	0.64	0.09	0.65
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	25	0.64	0.09	0.65
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	25	0.64	0.09	0.65
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	25	0.64	0.0	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	25	0.64	0.0	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD11	25	0.64	0.0	0.64
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	25	0.64	0.03	0.64
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	25	0.64	0.03	0.64
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	25	0.64	0.03	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	25	0.64	0.25	0.61
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	25	0.64	0.25	0.61
(1,2888)	1:73:A:LEU:HD23	1:70:A:PHE:HB2	25	0.64	0.25	0.61
(1,2888)	1:73:A:LEU:HD23	1:74:A:CYS:HB2	25	0.64	0.25	0.61
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	25	0.64	0.1	0.66
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	25	0.64	0.1	0.66
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG12	25	0.64	0.1	0.66
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	25	0.64	0.03	0.64
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	25	0.64	0.03	0.64
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	25	0.64	0.03	0.64
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD11	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD12	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD13	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD11	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD13	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD13	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD12	25	0.63	0.12	0.64
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD12	25	0.63	0.12	0.64
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	25	0.63	0.12	0.64
(1,2954)	1:94:A:ARG:HD3	1:90:A:ASN:H	25	0.63	0.12	0.64
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB3	25	0.63	0.06	0.64
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	25	0.63	0.06	0.64
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	25	0.63	0.06	0.64
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	25	0.63	0.09	0.64
(1,3357)	1:90:A:ASN:HD22	1:135:A:LYS:HB2	25	0.63	0.09	0.64
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	25	0.63	0.14	0.66
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	25	0.63	0.06	0.63
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	25	0.63	0.06	0.63
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	25	0.63	0.06	0.63
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	25	0.63	0.04	0.63
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	25	0.63	0.04	0.63
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	25	0.63	0.04	0.63
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	25	0.62	0.06	0.61
(1,1584)	1:130:A:LEU:HD13	1:130:A:LEU:H	25	0.62	0.06	0.61
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	25	0.62	0.06	0.61
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD23	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD21	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD21	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD23	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD21	25	0.62	0.03	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD22	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD22	25	0.62	0.03	0.61
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD22	25	0.62	0.03	0.61
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	25	0.61	0.1	0.61
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD13	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD11	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD12	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD11	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD13	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD12	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD13	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD11	25	0.61	0.03	0.63
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD12	25	0.61	0.03	0.63
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	25	0.61	0.05	0.61
(1,2986)	1:100:A:LEU:HD23	1:105:A:PHE:HZ	25	0.61	0.05	0.61
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	25	0.61	0.05	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	25	0.6	0.01	0.61
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	25	0.6	0.11	0.64
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	25	0.6	0.11	0.64
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	25	0.6	0.11	0.64
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	25	0.6	0.05	0.6
(1,931)	1:133:A:VAL:HG21	1:99:A:PHE:HZ	25	0.6	0.05	0.6
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	25	0.6	0.05	0.6
(1,3109)	1:133:A:VAL:HA	1:108:A:ILE:HD12	25	0.6	0.07	0.6
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	25	0.6	0.07	0.6
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	25	0.6	0.07	0.6
(1,3109)	1:88:A:LEU:HD22	1:131:A:CYS:HA	25	0.6	0.07	0.6
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	25	0.6	0.1	0.6
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	25	0.6	0.1	0.6
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	25	0.6	0.1	0.6
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	25	0.6	0.1	0.56
(1,2771)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	25	0.6	0.05	0.61
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	25	0.6	0.05	0.61
(1,2771)	1:141:A:LYS:HD3	1:141:A:LYS:HG2	25	0.6	0.05	0.61
(1,2771)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	25	0.6	0.05	0.61
(1,2771)	1:135:A:LYS:HG3	1:135:A:LYS:HD2	25	0.6	0.05	0.61
(1,2771)	1:141:A:LYS:HD2	1:141:A:LYS:HG2	25	0.6	0.05	0.61
(1,2771)	1:142:A:LYS:HD3	1:142:A:LYS:HG2	25	0.6	0.05	0.61
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	25	0.6	0.12	0.6
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	25	0.6	0.12	0.6
(1,773)	1:71:A:LEU:HD13	1:72:A:GLU:HG2	25	0.6	0.12	0.6
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	25	0.6	0.07	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	25	0.6	0.07	0.61
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	25	0.6	0.07	0.61
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	25	0.59	0.09	0.58
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	25	0.59	0.09	0.58
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	25	0.59	0.09	0.58
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	25	0.59	0.02	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	25	0.59	0.02	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	25	0.59	0.02	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	25	0.59	0.02	0.59
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	25	0.59	0.03	0.59
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	25	0.59	0.03	0.59
(1,1510)	1:125:A:VAL:HG11	1:127:A:ILE:H	25	0.59	0.03	0.59
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	25	0.59	0.03	0.59
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	25	0.59	0.03	0.59
(1,2644)	1:71:A:LEU:HD11	1:89:A:TYR:HE1	25	0.59	0.03	0.59
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	25	0.59	0.03	0.59
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	25	0.59	0.03	0.59
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	25	0.59	0.03	0.59
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	25	0.59	0.03	0.59
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	25	0.59	0.03	0.59
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	25	0.59	0.03	0.59
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG23	25	0.59	0.07	0.61
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	25	0.59	0.07	0.61
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG22	25	0.59	0.07	0.61
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD21	25	0.59	0.07	0.61
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD23	25	0.59	0.07	0.61
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG21	25	0.59	0.07	0.61
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD22	25	0.59	0.07	0.61
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	25	0.59	0.07	0.6
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	25	0.58	0.04	0.59
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB3	25	0.58	0.15	0.56
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	25	0.58	0.15	0.56
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB2	25	0.58	0.15	0.56
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB2	25	0.58	0.15	0.56
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB2	25	0.58	0.15	0.56
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB3	25	0.58	0.15	0.56
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	25	0.58	0.07	0.58
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	25	0.58	0.07	0.58
(1,3144)	1:85:A:VAL:HG21	1:78:A:THR:H	25	0.58	0.07	0.58
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	25	0.57	0.08	0.59
(1,2905)	1:81:A:HIS:HA	1:83:A:GLU:HB3	25	0.57	0.08	0.59
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	25	0.57	0.02	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	25	0.57	0.02	0.57
(1,974)	1:85:A:VAL:HG21	1:86:A:PRO:HD3	25	0.57	0.02	0.57
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	25	0.57	0.07	0.58
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	25	0.57	0.07	0.58
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	25	0.57	0.07	0.58
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	25	0.57	0.06	0.55
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	25	0.57	0.06	0.55
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	25	0.57	0.06	0.55
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	25	0.56	0.03	0.56
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	25	0.56	0.03	0.56
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	25	0.56	0.03	0.56
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	25	0.56	0.07	0.58
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	25	0.56	0.07	0.58
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	25	0.56	0.03	0.56
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	25	0.56	0.03	0.56
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	25	0.56	0.03	0.56
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	25	0.56	0.07	0.56
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	25	0.56	0.07	0.56
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	25	0.56	0.07	0.56
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	25	0.56	0.16	0.51
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	25	0.56	0.0	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	25	0.56	0.0	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	25	0.56	0.0	0.56
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	25	0.56	0.01	0.55
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	25	0.56	0.08	0.55
(1,3574)	1:96:A:HIS:HE1	1:139:A:ALA:HA	25	0.56	0.08	0.55
(1,3007)	1:108:A:ILE:HG21	1:130:A:LEU:H	25	0.56	0.1	0.54
(1,3007)	1:108:A:ILE:HG23	1:134:A:LEU:H	25	0.56	0.1	0.54
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	25	0.56	0.1	0.54
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	25	0.56	0.1	0.54
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	25	0.55	0.04	0.55
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	25	0.55	0.04	0.55
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	25	0.55	0.04	0.55
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	25	0.55	0.04	0.55
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	25	0.55	0.04	0.55
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	25	0.55	0.04	0.55
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	25	0.55	0.06	0.55
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	25	0.55	0.06	0.55
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	25	0.55	0.06	0.55
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	25	0.55	0.1	0.55
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	25	0.55	0.1	0.55
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	25	0.55	0.1	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1829)	1:71:A:LEU:HD23	1:72:A:GLU:H	25	0.55	0.01	0.55
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	25	0.55	0.01	0.55
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	25	0.55	0.01	0.55
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	25	0.55	0.04	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	25	0.55	0.03	0.55
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	25	0.54	0.14	0.56
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	25	0.54	0.14	0.56
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	25	0.54	0.14	0.56
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	25	0.54	0.02	0.55
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	25	0.54	0.02	0.55
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	25	0.54	0.02	0.55
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	25	0.54	0.03	0.54
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	25	0.54	0.03	0.54
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	25	0.54	0.03	0.54
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	25	0.54	0.07	0.54
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	25	0.54	0.07	0.54
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	25	0.54	0.07	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	25	0.54	0.0	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	25	0.54	0.0	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	25	0.54	0.0	0.54
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	25	0.54	0.17	0.54
(1,3379)	1:93:A:GLN:HE21	1:100:A:LEU:HB2	25	0.54	0.17	0.54
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	25	0.54	0.03	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	25	0.54	0.0	0.54
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	25	0.54	0.03	0.55
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	25	0.54	0.03	0.55
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD23	25	0.54	0.03	0.55
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	25	0.54	0.04	0.54
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	25	0.54	0.04	0.54
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB2	25	0.54	0.04	0.54
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	25	0.54	0.03	0.54
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	25	0.54	0.03	0.54
(1,1453)	1:121:A:ALA:HB2	1:122:A:LYS:HA	25	0.54	0.03	0.54
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	25	0.53	0.0	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	25	0.53	0.0	0.53
(1,22)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	25	0.53	0.0	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	25	0.53	0.01	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	25	0.53	0.01	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	25	0.53	0.01	0.53
(1,2826)	1:113:A:LEU:HD12	1:113:A:LEU:HA	25	0.53	0.07	0.54
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	25	0.53	0.07	0.54
(1,2826)	1:113:A:LEU:HD21	1:113:A:LEU:HA	25	0.53	0.07	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2826)	1:113:A:LEU:HD11	1:113:A:LEU:HA	25	0.53	0.07	0.54
(1,2826)	1:113:A:LEU:HD22	1:113:A:LEU:HA	25	0.53	0.07	0.54
(1,2826)	1:113:A:LEU:HD13	1:113:A:LEU:HA	25	0.53	0.07	0.54
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	25	0.53	0.09	0.5
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	25	0.53	0.09	0.5
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	25	0.53	0.05	0.52
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	25	0.53	0.05	0.52
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	25	0.53	0.05	0.52
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	25	0.53	0.06	0.52
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	25	0.52	0.23	0.42
(1,2645)	1:124:A:TYR:HD2	1:128:A:ASN:H	25	0.52	0.23	0.42
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	25	0.52	0.14	0.54
(1,2966)	1:94:A:ARG:HD3	1:90:A:ASN:HA	25	0.52	0.14	0.54
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	25	0.52	0.03	0.51
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	25	0.52	0.03	0.51
(1,755)	1:71:A:LEU:HD12	1:85:A:VAL:HA	25	0.52	0.03	0.51
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	25	0.52	0.03	0.52
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	25	0.52	0.03	0.52
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	25	0.52	0.03	0.52
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	25	0.52	0.06	0.52
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	25	0.52	0.06	0.52
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	25	0.52	0.06	0.52
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	25	0.52	0.04	0.52
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	25	0.52	0.04	0.52
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	25	0.52	0.04	0.52
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG23	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG22	25	0.51	0.13	0.55
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG21	25	0.51	0.13	0.55
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	25	0.51	0.07	0.52
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	25	0.51	0.07	0.52
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	25	0.51	0.07	0.52
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	25	0.51	0.01	0.52
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	25	0.51	0.01	0.52
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	25	0.51	0.01	0.52
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	25	0.51	0.14	0.54
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	25	0.51	0.14	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	25	0.51	0.14	0.54
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	25	0.51	0.08	0.53
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	25	0.51	0.08	0.53
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	25	0.51	0.08	0.53
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	25	0.51	0.11	0.51
(1,2917)	1:133:A:VAL:HG21	1:105:A:PHE:HD1	25	0.51	0.11	0.51
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	25	0.51	0.11	0.51
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	25	0.51	0.02	0.5
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	25	0.51	0.02	0.5
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	25	0.51	0.02	0.5
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG11	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG12	25	0.51	0.06	0.49
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG13	25	0.51	0.06	0.49
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	25	0.5	0.03	0.51
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	25	0.5	0.03	0.51
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	25	0.5	0.03	0.51
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	25	0.5	0.01	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	25	0.5	0.01	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG21	25	0.5	0.01	0.5
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	25	0.5	0.03	0.5
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	25	0.5	0.03	0.5
(1,752)	1:71:A:LEU:HD12	1:89:A:TYR:HB3	25	0.5	0.03	0.5
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	25	0.5	0.1	0.54
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	25	0.5	0.1	0.54
(1,1853)	1:98:A:LEU:HD12	1:99:A:PHE:H	25	0.5	0.1	0.54
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	25	0.5	0.05	0.49
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	25	0.5	0.05	0.49
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	25	0.5	0.05	0.49
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	25	0.5	0.03	0.5
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	25	0.5	0.03	0.5
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	25	0.5	0.03	0.5
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD13	25	0.5	0.06	0.49
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	25	0.5	0.06	0.49
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	25	0.5	0.06	0.49
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	25	0.5	0.03	0.5
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	25	0.5	0.03	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	25	0.5	0.03	0.5
(1,3535)	1:134:A:LEU:HD13	1:137:A:HIS:H	25	0.5	0.05	0.5
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	25	0.5	0.05	0.5
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	25	0.5	0.05	0.5
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	25	0.5	0.03	0.49
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	25	0.5	0.03	0.49
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	25	0.5	0.03	0.49
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	25	0.49	0.04	0.5
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	25	0.49	0.04	0.5
(1,2878)	1:71:A:LEU:HD12	1:88:A:LEU:H	25	0.49	0.04	0.5
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	25	0.49	0.1	0.5
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	25	0.49	0.1	0.5
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	25	0.49	0.1	0.5
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	25	0.49	0.04	0.48
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	25	0.49	0.04	0.48
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	25	0.49	0.04	0.48
(1,1637)	1:134:A:LEU:HD23	1:134:A:LEU:HB2	25	0.49	0.01	0.49
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	25	0.49	0.01	0.49
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	25	0.49	0.01	0.49
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	25	0.49	0.03	0.49
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	25	0.49	0.03	0.49
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	25	0.49	0.03	0.49
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	25	0.49	0.03	0.49
(1,1095)	1:134:A:LEU:HD23	1:92:A:GLN:HB3	25	0.49	0.24	0.42
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	25	0.49	0.24	0.42
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	25	0.49	0.24	0.42
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	25	0.49	0.03	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	25	0.48	0.01	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	25	0.48	0.01	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG13	25	0.48	0.01	0.48
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	25	0.48	0.09	0.5
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	25	0.48	0.09	0.5
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	25	0.48	0.09	0.5
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	25	0.48	0.02	0.48
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	25	0.48	0.02	0.48
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	25	0.48	0.02	0.48
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	25	0.48	0.02	0.48
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	25	0.48	0.04	0.47
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	25	0.48	0.04	0.47
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	25	0.48	0.04	0.47
(1,222)	1:71:A:LEU:HD23	1:71:A:LEU:HB2	25	0.48	0.01	0.48
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	25	0.48	0.01	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	25	0.48	0.01	0.48
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	25	0.48	0.05	0.48
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	25	0.48	0.04	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	25	0.48	0.04	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	25	0.48	0.04	0.49
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	25	0.48	0.14	0.46
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	25	0.48	0.14	0.46
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG3	25	0.48	0.14	0.46
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	25	0.48	0.14	0.46
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG3	25	0.48	0.14	0.46
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	25	0.48	0.05	0.48
(1,3201)	1:92:A:GLN:HG3	1:92:A:GLN:H	25	0.48	0.05	0.48
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	25	0.48	0.08	0.51
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	25	0.48	0.08	0.51
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	25	0.48	0.08	0.51
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	25	0.48	0.05	0.46
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	25	0.47	0.01	0.47
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	25	0.47	0.01	0.47
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	25	0.47	0.08	0.45
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	25	0.47	0.05	0.48
(1,3449)	1:112:A:VAL:H	1:111:A:ARG:HG2	25	0.47	0.05	0.48
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	25	0.47	0.04	0.47
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	25	0.47	0.04	0.47
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	25	0.47	0.04	0.47
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG23	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG22	25	0.47	0.13	0.51
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG21	25	0.47	0.13	0.51
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	25	0.47	0.03	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	25	0.47	0.0	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	25	0.47	0.0	0.47
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	25	0.47	0.06	0.48
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	25	0.46	0.08	0.48
(1,1875)	1:135:A:LYS:H	1:135:A:LYS:HD3	25	0.46	0.08	0.48
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	25	0.46	0.04	0.46
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	25	0.46	0.04	0.46
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	25	0.46	0.04	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	25	0.46	0.05	0.46
(1,2915)	1:133:A:VAL:HG22	1:132:A:THR:H	25	0.46	0.05	0.46
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	25	0.46	0.05	0.46
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	25	0.46	0.04	0.47
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	25	0.46	0.04	0.47
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	25	0.46	0.04	0.47
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	25	0.46	0.04	0.46
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	25	0.46	0.04	0.46
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	25	0.46	0.04	0.46
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	25	0.45	0.06	0.45
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	25	0.45	0.06	0.45
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	25	0.45	0.06	0.45
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	25	0.45	0.09	0.45
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	25	0.45	0.09	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	25	0.45	0.0	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	25	0.45	0.0	0.45
(1,25)	1:133:A:VAL:HG21	1:133:A:VAL:HG23	25	0.45	0.0	0.45
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	25	0.45	0.07	0.45
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	25	0.45	0.07	0.45
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	25	0.45	0.07	0.45
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD22	25	0.45	0.07	0.45
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	25	0.45	0.01	0.44
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	25	0.45	0.01	0.44
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	25	0.45	0.01	0.44
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	25	0.45	0.08	0.44
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	25	0.45	0.08	0.44
(1,3143)	1:88:A:LEU:HD22	1:131:A:CYS:HA	25	0.45	0.08	0.44
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	25	0.44	0.1	0.45
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	25	0.44	0.1	0.45
(1,2795)	1:116:A:ALA:HB1	1:70:A:PHE:HD2	25	0.44	0.1	0.45
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	25	0.44	0.06	0.43
(1,3510)	1:130:A:LEU:HD13	1:130:A:LEU:H	25	0.44	0.06	0.43
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	25	0.44	0.06	0.43
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	25	0.44	0.06	0.44
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	25	0.44	0.06	0.44
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	25	0.44	0.06	0.44
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	25	0.44	0.07	0.44
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	25	0.44	0.07	0.44
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	25	0.44	0.07	0.44
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	25	0.44	0.18	0.43
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	25	0.44	0.18	0.43
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	25	0.44	0.18	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD23	25	0.44	0.14	0.43
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	25	0.44	0.14	0.43
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	25	0.44	0.14	0.43
(1,2880)	1:71:A:LEU:HD22	1:89:A:TYR:HA	25	0.43	0.05	0.44
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	25	0.43	0.05	0.44
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	25	0.43	0.05	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	25	0.43	0.03	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	25	0.43	0.03	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	25	0.43	0.03	0.44
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	25	0.43	0.03	0.42
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	25	0.43	0.03	0.42
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	25	0.43	0.03	0.42
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	25	0.43	0.03	0.43
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	25	0.43	0.03	0.43
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	25	0.43	0.03	0.43
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	25	0.43	0.39	0.34
(1,2890)	1:73:A:LEU:HD21	1:116:A:ALA:H	25	0.43	0.39	0.34
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	25	0.43	0.39	0.34
(1,3579)	1:123:A:LEU:HD13	1:70:A:PHE:HE1	25	0.43	0.16	0.45
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	25	0.43	0.16	0.45
(1,3579)	1:130:A:LEU:HD21	1:70:A:PHE:HE1	25	0.43	0.16	0.45
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	25	0.43	0.16	0.45
(1,3579)	1:130:A:LEU:HD22	1:70:A:PHE:HE1	25	0.43	0.16	0.45
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	25	0.43	0.01	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	25	0.43	0.01	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG13	25	0.43	0.01	0.43
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	25	0.42	0.1	0.43
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	25	0.42	0.08	0.44
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	25	0.42	0.08	0.44
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD11	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD13	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD12	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD11	25	0.42	0.04	0.43
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD12	25	0.42	0.04	0.43
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	25	0.42	0.08	0.43
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	25	0.42	0.08	0.43
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	25	0.42	0.08	0.43
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	25	0.42	0.3	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2901)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	25	0.42	0.3	0.35
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	25	0.42	0.3	0.35
(1,2901)	1:77:A:GLN:HG2	1:123:A:LEU:HD12	25	0.42	0.3	0.35
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	25	0.41	0.05	0.41
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	25	0.41	0.05	0.41
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	25	0.41	0.05	0.41
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	25	0.41	0.11	0.39
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	25	0.41	0.11	0.39
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD11	25	0.41	0.11	0.39
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD12	25	0.4	0.1	0.42
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	25	0.4	0.1	0.42
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	25	0.4	0.1	0.42
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	25	0.4	0.03	0.4
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	25	0.4	0.1	0.41
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	25	0.4	0.1	0.41
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	25	0.4	0.1	0.41
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	25	0.4	0.05	0.4
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	25	0.4	0.01	0.4
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	25	0.4	0.01	0.4
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	25	0.4	0.01	0.4
(1,855)	1:79:A:ALA:HB3	1:78:A:THR:HA	25	0.4	0.04	0.4
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	25	0.4	0.04	0.4
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	25	0.4	0.04	0.4
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	25	0.4	0.11	0.42
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	25	0.4	0.08	0.38
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	25	0.4	0.08	0.38
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	25	0.4	0.08	0.38
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	25	0.4	0.05	0.42
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	25	0.4	0.05	0.42
(1,3173)	1:125:A:VAL:HG22	1:126:A:TYR:H	25	0.4	0.05	0.42
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	25	0.4	0.03	0.4
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD21	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD23	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD22	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD23	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD21	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD21	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD22	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD23	25	0.39	0.22	0.4
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD22	25	0.39	0.22	0.4
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	25	0.39	0.02	0.39
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	25	0.39	0.02	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	25	0.39	0.02	0.39
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	25	0.38	0.07	0.4
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	25	0.38	0.07	0.4
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	25	0.38	0.07	0.4
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	25	0.38	0.08	0.36
(1,2676)	1:67:A:PHE:HD1	1:92:A:GLN:HE22	25	0.38	0.08	0.36
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	25	0.38	0.11	0.43
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	25	0.38	0.08	0.4
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD23	25	0.38	0.07	0.39
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	25	0.38	0.07	0.39
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD22	25	0.38	0.07	0.39
(1,3580)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	25	0.38	0.07	0.39
(1,3580)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	25	0.38	0.07	0.39
(1,3580)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	25	0.38	0.07	0.39
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	25	0.38	0.08	0.38
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	25	0.38	0.08	0.38
(1,3024)	1:112:A:VAL:HG12	1:127:A:ILE:H	25	0.38	0.08	0.38
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	25	0.38	0.04	0.37
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	25	0.38	0.04	0.37
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	25	0.38	0.04	0.37
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	25	0.37	0.02	0.38
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	25	0.37	0.05	0.37
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	25	0.37	0.05	0.37
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	25	0.37	0.05	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	25	0.37	0.01	0.37
(1,3049)	1:82:A:PRO:HB3	1:82:A:PRO:HD2	25	0.37	0.01	0.37
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG23	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG21	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG23	25	0.37	0.02	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	25	0.37	0.02	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	25	0.37	0.0	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB1	25	0.37	0.0	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	25	0.37	0.0	0.37
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	25	0.37	0.01	0.36
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	25	0.37	0.01	0.36
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	25	0.37	0.01	0.36
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	25	0.36	0.12	0.32
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	25	0.36	0.12	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	25	0.36	0.05	0.38
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	25	0.36	0.05	0.38
(1,1518)	1:125:A:VAL:HG22	1:126:A:TYR:H	25	0.36	0.05	0.38
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	25	0.36	0.03	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	25	0.36	0.03	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	25	0.36	0.03	0.35
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	25	0.36	0.09	0.36
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	25	0.36	0.09	0.36
(1,3284)	1:113:A:LEU:HD21	1:73:A:LEU:H	25	0.36	0.09	0.36
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	25	0.35	0.1	0.35
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	25	0.35	0.06	0.37
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD22	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD23	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD22	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD22	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD23	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD23	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD21	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD21	25	0.35	0.06	0.35
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD21	25	0.35	0.06	0.35
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	25	0.35	0.05	0.37
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	25	0.35	0.02	0.35
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	25	0.35	0.02	0.35
(1,1013)	1:88:A:LEU:HD22	1:88:A:LEU:H	25	0.35	0.02	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	25	0.35	0.0	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD13	25	0.35	0.0	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD11	25	0.35	0.0	0.35
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	25	0.35	0.03	0.36
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	25	0.35	0.03	0.36
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	25	0.35	0.03	0.36
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	25	0.35	0.0	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	25	0.35	0.0	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	25	0.35	0.0	0.35
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	25	0.35	0.1	0.35
(1,3299)	1:76:A:MET:H	1:73:A:LEU:HB3	25	0.35	0.1	0.35
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	25	0.35	0.02	0.35
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	25	0.35	0.05	0.34
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	25	0.34	0.08	0.34
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	25	0.34	0.08	0.34
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB1	25	0.34	0.08	0.34
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	25	0.34	0.07	0.35
(1,3098)	1:130:A:LEU:HG	1:130:A:LEU:H	25	0.34	0.07	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3015)	1:71:A:LEU:HD22	1:88:A:LEU:H	25	0.34	0.03	0.35
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	25	0.34	0.03	0.35
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	25	0.34	0.03	0.35
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	25	0.34	0.02	0.34
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	25	0.34	0.05	0.35
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	25	0.34	0.05	0.35
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	25	0.34	0.08	0.33
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	25	0.34	0.08	0.33
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	25	0.34	0.08	0.33
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	25	0.34	0.06	0.33
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	25	0.34	0.12	0.29
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	25	0.33	0.02	0.33
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG21	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG23	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG23	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG23	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG22	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG21	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG21	25	0.33	0.05	0.33
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG22	25	0.33	0.05	0.33
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	25	0.33	0.03	0.33
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	25	0.33	0.03	0.33
(1,1506)	1:125:A:VAL:HG11	1:129:A:GLU:H	25	0.33	0.03	0.33
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	25	0.33	0.07	0.33
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	25	0.33	0.07	0.33
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	25	0.33	0.07	0.33
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	25	0.33	0.07	0.34
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	25	0.33	0.07	0.34
(1,2943)	1:88:A:LEU:HD22	1:89:A:TYR:HA	25	0.33	0.07	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	25	0.33	0.02	0.33
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	25	0.32	0.09	0.31
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	25	0.32	0.09	0.31
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	25	0.32	0.09	0.31
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	25	0.32	0.05	0.33
(1,3016)	1:71:A:LEU:HD21	1:85:A:VAL:H	25	0.32	0.05	0.33
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	25	0.32	0.05	0.33
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	25	0.32	0.05	0.33
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB3	25	0.32	0.0	0.32
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	25	0.32	0.0	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	25	0.32	0.0	0.32
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	25	0.32	0.09	0.31
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	25	0.32	0.09	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	25	0.32	0.09	0.31
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG22	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG21	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG23	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG21	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG23	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG22	25	0.32	0.03	0.33
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG23	25	0.32	0.03	0.33
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	25	0.32	0.0	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	25	0.32	0.0	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	25	0.32	0.0	0.32
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	25	0.32	0.11	0.29
(1,3175)	1:119:A:ARG:HG3	1:119:A:ARG:H	25	0.32	0.11	0.29
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	25	0.32	0.1	0.3
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	25	0.32	0.04	0.31
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	25	0.32	0.04	0.31
(1,1507)	1:125:A:VAL:HG11	1:126:A:TYR:H	25	0.32	0.04	0.31
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	25	0.32	0.06	0.32
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	25	0.32	0.06	0.32
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	25	0.31	0.07	0.31
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	25	0.31	0.07	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	25	0.31	0.01	0.31
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	25	0.31	0.07	0.31
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	25	0.31	0.02	0.31
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	25	0.31	0.02	0.31
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	25	0.31	0.02	0.31
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	25	0.31	0.05	0.32
(1,3206)	1:109:A:LEU:HD11	1:109:A:LEU:H	25	0.31	0.05	0.32
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	25	0.31	0.05	0.32
(1,3206)	1:109:A:LEU:HD11	1:66:A:LEU:H	25	0.31	0.05	0.32
(1,3206)	1:109:A:LEU:HD13	1:109:A:LEU:H	25	0.31	0.05	0.32
(1,3206)	1:109:A:LEU:HD12	1:109:A:LEU:H	25	0.31	0.05	0.32
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	25	0.31	0.1	0.33
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	25	0.31	0.08	0.34
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	25	0.31	0.08	0.34
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	25	0.31	0.08	0.34
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	25	0.3	0.05	0.28
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	25	0.3	0.05	0.28
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	25	0.3	0.05	0.28
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	25	0.3	0.07	0.28
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	25	0.3	0.07	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	25	0.3	0.07	0.28
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	25	0.3	0.03	0.3
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	25	0.3	0.03	0.3
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	25	0.3	0.03	0.3
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	25	0.3	0.07	0.28
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	25	0.3	0.05	0.29
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	25	0.3	0.05	0.29
(1,3068)	1:125:A:VAL:HG11	1:126:A:TYR:HB2	25	0.3	0.05	0.29
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	25	0.3	0.03	0.3
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	25	0.3	0.03	0.3
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	25	0.3	0.03	0.3
(1,2800)	1:141:A:LYS:HD3	1:141:A:LYS:HE2	25	0.3	0.03	0.3
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	25	0.3	0.08	0.33
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	25	0.29	0.02	0.3
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	25	0.29	0.01	0.29
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	25	0.29	0.01	0.29
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	25	0.29	0.01	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	25	0.29	0.0	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD21	25	0.29	0.0	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD23	25	0.29	0.0	0.29
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	25	0.29	0.05	0.29
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	25	0.28	0.02	0.27
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG13	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG11	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG12	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG12	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG11	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG13	25	0.28	0.03	0.28
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG13	25	0.28	0.03	0.28
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	25	0.28	0.09	0.27
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	25	0.28	0.09	0.27
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	25	0.28	0.09	0.27
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	25	0.28	0.0	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	25	0.28	0.0	0.28
(1,32)	1:132:A:THR:HG22	1:132:A:THR:HG23	25	0.28	0.0	0.28
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	25	0.28	0.02	0.28
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	25	0.28	0.06	0.29
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	25	0.28	0.06	0.29
(1,3558)	1:115:A:ARG:H	1:117:A:ARG:HB2	25	0.28	0.06	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	25	0.28	0.01	0.28
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	25	0.28	0.02	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	25	0.28	0.02	0.27
(1,2877)	1:71:A:LEU:HD12	1:88:A:LEU:HB2	25	0.28	0.02	0.27
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	25	0.28	0.02	0.28
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	25	0.27	0.1	0.29
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	25	0.27	0.1	0.29
(1,3145)	1:85:A:VAL:HG22	1:74:A:CYS:H	25	0.27	0.1	0.29
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	25	0.27	0.02	0.28
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	25	0.27	0.08	0.25
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	25	0.27	0.08	0.25
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	25	0.27	0.08	0.25
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	25	0.27	0.03	0.27
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	25	0.27	0.04	0.27
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	25	0.27	0.09	0.32
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	25	0.27	0.04	0.28
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	25	0.27	0.04	0.27
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	25	0.27	0.04	0.27
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	25	0.27	0.04	0.27
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG13	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG11	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG13	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG13	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG12	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG12	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG12	25	0.27	0.04	0.28
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG11	25	0.27	0.04	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	25	0.27	0.01	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	25	0.27	0.01	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	25	0.27	0.01	0.27
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	25	0.27	0.02	0.26
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	25	0.27	0.02	0.26
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	25	0.27	0.02	0.26
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	25	0.27	0.03	0.26
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	25	0.27	0.01	0.27
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	25	0.27	0.01	0.27
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	25	0.27	0.01	0.27
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	25	0.27	0.06	0.26
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	25	0.27	0.06	0.26
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	25	0.27	0.06	0.26
(1,2902)	1:78:A:THR:HG22	1:77:A:GLN:HG3	25	0.27	0.06	0.26
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	25	0.26	0.02	0.26
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD22	25	0.26	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD22	25	0.26	0.02	0.26
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	25	0.26	0.02	0.26
(1,18)	1:98:A:LEU:HD13	1:98:A:LEU:HD23	25	0.26	0.02	0.26
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD23	25	0.26	0.02	0.26
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD21	25	0.26	0.02	0.26
(1,18)	1:98:A:LEU:HD13	1:98:A:LEU:HD22	25	0.26	0.02	0.26
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	25	0.26	0.03	0.26
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	25	0.26	0.1	0.25
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	25	0.26	0.1	0.25
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	25	0.26	0.1	0.25
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	25	0.26	0.0	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	25	0.26	0.0	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD11	25	0.26	0.0	0.26
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG22	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG23	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG21	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG22	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG22	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG23	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG21	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG21	25	0.26	0.06	0.26
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG23	25	0.26	0.06	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	25	0.26	0.0	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	25	0.26	0.0	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB1	25	0.26	0.0	0.26
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	25	0.26	0.03	0.27
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	25	0.26	0.03	0.27
(1,956)	1:85:A:VAL:HG13	1:86:A:PRO:HG3	25	0.26	0.03	0.27
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	25	0.26	0.03	0.26
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD12	25	0.26	0.03	0.26
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD13	25	0.26	0.03	0.26
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD13	25	0.26	0.03	0.26
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD13	25	0.26	0.03	0.26
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD12	25	0.26	0.03	0.26
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD11	25	0.26	0.03	0.26
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	25	0.26	0.14	0.19
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG22	25	0.26	0.14	0.19
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	25	0.26	0.14	0.19
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	25	0.25	0.04	0.26
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	25	0.25	0.07	0.24
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	25	0.25	0.04	0.25
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	25	0.25	0.06	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	25	0.25	0.06	0.27
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	25	0.25	0.06	0.27
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	25	0.25	0.06	0.26
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	25	0.25	0.06	0.26
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	25	0.25	0.06	0.26
(1,3418)	1:108:A:ILE:HD11	1:106:A:CYS:H	25	0.25	0.06	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	25	0.24	0.02	0.24
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	25	0.24	0.07	0.23
(1,765)	1:71:A:LEU:HD23	1:74:A:CYS:H	25	0.24	0.04	0.26
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	25	0.24	0.04	0.26
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	25	0.24	0.04	0.26
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	25	0.24	0.07	0.26
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	25	0.24	0.07	0.26
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	25	0.24	0.07	0.26
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	25	0.24	0.03	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD2	25	0.24	0.03	0.24
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	25	0.24	0.13	0.15
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	25	0.24	0.0	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD23	25	0.24	0.0	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD21	25	0.24	0.0	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	25	0.24	0.01	0.23
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	25	0.24	0.07	0.21
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	25	0.24	0.07	0.21
(1,2774)	1:85:A:VAL:HG21	1:74:A:CYS:HB3	25	0.24	0.07	0.21
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	25	0.23	0.05	0.23
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	25	0.23	0.05	0.23
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	25	0.23	0.05	0.23
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	25	0.23	0.02	0.23
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	25	0.23	0.02	0.23
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	25	0.23	0.02	0.23
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	25	0.23	0.05	0.23
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	25	0.23	0.05	0.23
(1,405)	1:113:A:LEU:HD21	1:70:A:PHE:HA	25	0.23	0.05	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	25	0.23	0.06	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE1	25	0.23	0.06	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	25	0.23	0.0	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	25	0.23	0.0	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	25	0.23	0.0	0.23
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	25	0.23	0.04	0.24
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	25	0.23	0.04	0.24
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	25	0.23	0.04	0.24
(1,3344)	1:88:A:LEU:HD12	1:89:A:TYR:H	25	0.23	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	25	0.23	0.03	0.24
(1,3344)	1:88:A:LEU:HD21	1:89:A:TYR:H	25	0.23	0.03	0.24
(1,3344)	1:88:A:LEU:HD13	1:89:A:TYR:H	25	0.23	0.03	0.24
(1,3344)	1:88:A:LEU:HD23	1:89:A:TYR:H	25	0.23	0.03	0.24
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	25	0.23	0.02	0.23
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	25	0.23	0.02	0.23
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	25	0.23	0.02	0.23
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	25	0.23	0.04	0.23
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	25	0.23	0.04	0.22
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	25	0.23	0.04	0.22
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	25	0.23	0.04	0.22
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	25	0.23	0.04	0.22
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	25	0.23	0.06	0.23
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	25	0.23	0.06	0.23
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	25	0.23	0.06	0.23
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	25	0.22	0.02	0.23
(1,2593)	1:126:A:TYR:HD2	1:126:A:TYR:HB3	25	0.22	0.02	0.23
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	25	0.22	0.02	0.22
(1,3487)	1:125:A:VAL:HG13	1:126:A:TYR:H	25	0.22	0.02	0.22
(1,3487)	1:125:A:VAL:HG21	1:126:A:TYR:H	25	0.22	0.02	0.22
(1,3487)	1:125:A:VAL:HG11	1:126:A:TYR:H	25	0.22	0.02	0.22
(1,3487)	1:125:A:VAL:HG23	1:126:A:TYR:H	25	0.22	0.02	0.22
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	25	0.22	0.05	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	25	0.22	0.05	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	25	0.22	0.05	0.23
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	25	0.22	0.02	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	25	0.22	0.0	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG21	25	0.22	0.0	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	25	0.22	0.0	0.22
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	25	0.22	0.02	0.21
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	25	0.22	0.02	0.21
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	25	0.22	0.02	0.21
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	25	0.21	0.11	0.18
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	25	0.21	0.0	0.21
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG23	25	0.21	0.0	0.21
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG21	25	0.21	0.0	0.21
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	25	0.21	0.1	0.16
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	25	0.21	0.0	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG11	25	0.21	0.0	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG13	25	0.21	0.0	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	25	0.21	0.0	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	25	0.21	0.0	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB1	25	0.21	0.0	0.21
(1,2731)	1:130:A:LEU:HD12	1:130:A:LEU:HD13	25	0.21	0.0	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	25	0.21	0.0	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	25	0.21	0.0	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	25	0.21	0.0	0.21
(1,2731)	1:130:A:LEU:HD12	1:130:A:LEU:HD11	25	0.21	0.0	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG23	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG21	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG23	25	0.21	0.01	0.21
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	25	0.21	0.01	0.21
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	25	0.21	0.01	0.21
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	25	0.21	0.01	0.21
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	25	0.21	0.01	0.21
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	25	0.2	0.04	0.2
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	25	0.2	0.04	0.2
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	25	0.2	0.04	0.2
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD21	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD23	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD22	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD22	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD21	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD22	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD21	25	0.2	0.02	0.2
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD23	25	0.2	0.02	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	25	0.19	0.01	0.2
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD21	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD23	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD22	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD23	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD22	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD21	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD23	25	0.19	0.03	0.19
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD21	25	0.19	0.03	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	25	0.19	0.0	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	25	0.19	0.01	0.19
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	25	0.19	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	25	0.19	0.02	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	25	0.18	0.0	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	25	0.18	0.0	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	25	0.18	0.0	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD22	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD23	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD23	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD22	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD21	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD21	25	0.18	0.02	0.18
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD22	25	0.18	0.02	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	25	0.18	0.0	0.18
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	25	0.17	0.03	0.17
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	25	0.17	0.03	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	25	0.17	0.01	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	25	0.17	0.02	0.17
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	25	0.17	0.04	0.17
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	25	0.17	0.04	0.17
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	25	0.17	0.04	0.17
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	25	0.17	0.01	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	25	0.16	0.0	0.16
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	25	0.16	0.02	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	25	0.15	0.01	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	25	0.15	0.03	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	25	0.15	0.01	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	25	0.15	0.0	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	25	0.15	0.0	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	25	0.15	0.0	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	25	0.15	0.04	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG13	25	0.15	0.0	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	25	0.15	0.0	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG11	25	0.15	0.0	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	25	0.15	0.01	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	25	0.15	0.01	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	25	0.15	0.01	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB1	25	0.15	0.01	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	25	0.14	0.0	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	25	0.14	0.0	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	25	0.14	0.0	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	25	0.14	0.0	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	25	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	25	0.14	0.0	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	25	0.14	0.01	0.14
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	25	0.13	0.01	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	25	0.13	0.01	0.13
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	25	0.13	0.02	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	25	0.12	0.01	0.13
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	25	0.12	0.01	0.12
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	25	0.11	0.0	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	25	0.11	0.0	0.11
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	24	1.15	0.25	1.21
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	24	1.15	0.25	1.21
(1,2887)	1:73:A:LEU:HD21	1:123:A:LEU:HB2	24	1.15	0.25	1.21
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	24	1.06	0.24	1.14
(1,2854)	1:62:A:GLU:HG3	1:57:A:LYS:HB3	24	1.06	0.24	1.14
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	24	0.93	0.47	0.84
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	24	0.9	0.71	0.85
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	24	0.9	0.71	0.85
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	24	0.9	0.71	0.85
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB1	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB1	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB3	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB1	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB3	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB2	24	0.9	0.06	0.9
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB3	24	0.9	0.06	0.9
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	24	0.79	0.17	0.79
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD23	24	0.79	0.17	0.79
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD22	24	0.79	0.17	0.79
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD21	24	0.79	0.17	0.79
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD23	24	0.79	0.17	0.79
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	24	0.79	0.17	0.79
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD22	24	0.79	0.17	0.79
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	24	0.77	0.21	0.86
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	24	0.77	0.21	0.86
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD13	24	0.77	0.21	0.86
(1,3088)	1:127:A:ILE:HD12	1:124:A:TYR:HB2	24	0.77	0.21	0.86
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD12	24	0.77	0.21	0.86
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD11	24	0.77	0.21	0.86
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	24	0.61	0.22	0.7
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	24	0.61	0.22	0.7
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	24	0.61	0.22	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	24	0.53	0.07	0.55
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	24	0.52	0.18	0.52
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	24	0.52	0.1	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	24	0.52	0.1	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD23	24	0.52	0.1	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD11	24	0.52	0.1	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD13	24	0.52	0.1	0.54
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	24	0.51	0.25	0.57
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	24	0.49	0.27	0.41
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	24	0.49	0.27	0.41
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	24	0.49	0.27	0.41
(1,3059)	1:123:A:LEU:HD23	1:70:A:PHE:HZ	24	0.49	0.27	0.41
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	24	0.43	0.11	0.47
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	24	0.43	0.11	0.47
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	24	0.43	0.11	0.47
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	24	0.43	0.12	0.42
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	24	0.43	0.12	0.42
(1,3125)	1:134:A:LEU:HD22	1:100:A:LEU:HG	24	0.43	0.12	0.42
(1,3125)	1:134:A:LEU:HD23	1:91:A:ARG:HB3	24	0.43	0.12	0.42
(1,2708)	1:123:A:LEU:HD11	1:73:A:LEU:HD11	24	0.42	0.09	0.42
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD12	24	0.42	0.09	0.42
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD13	24	0.42	0.09	0.42
(1,2708)	1:88:A:LEU:HD12	1:123:A:LEU:HD13	24	0.42	0.09	0.42
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD12	24	0.42	0.09	0.42
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD13	24	0.42	0.09	0.42
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD11	24	0.42	0.09	0.42
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD11	24	0.42	0.09	0.42
(1,2708)	1:88:A:LEU:HD13	1:123:A:LEU:HD11	24	0.42	0.09	0.42
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD11	24	0.42	0.09	0.42
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD12	24	0.42	0.09	0.42
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD13	24	0.42	0.09	0.42
(1,2708)	1:88:A:LEU:HD12	1:123:A:LEU:HD11	24	0.42	0.09	0.42
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	24	0.41	0.12	0.42
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	24	0.41	0.12	0.42
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD21	24	0.41	0.12	0.42
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	24	0.41	0.05	0.4
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	24	0.41	0.05	0.4
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE3	24	0.41	0.05	0.4
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE2	24	0.41	0.05	0.4
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE2	24	0.41	0.05	0.4
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE2	24	0.41	0.05	0.4
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	24	0.4	0.11	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	24	0.4	0.11	0.35
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	24	0.39	0.1	0.38
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	24	0.39	0.1	0.38
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	24	0.39	0.1	0.38
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	24	0.38	0.25	0.26
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	24	0.38	0.25	0.26
(1,3567)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	24	0.38	0.25	0.26
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	24	0.38	0.25	0.26
(1,3567)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	24	0.38	0.25	0.26
(1,2903)	1:79:A:ALA:HB1	1:77:A:GLN:HA	24	0.37	0.16	0.39
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	24	0.37	0.16	0.39
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	24	0.37	0.16	0.39
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	24	0.37	0.13	0.33
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	24	0.37	0.13	0.33
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	24	0.37	0.13	0.33
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	24	0.36	0.1	0.36
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	24	0.36	0.1	0.36
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	24	0.36	0.1	0.36
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	24	0.35	0.11	0.42
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	24	0.35	0.11	0.42
(1,1851)	1:98:A:LEU:HD12	1:98:A:LEU:H	24	0.35	0.11	0.42
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	24	0.35	0.01	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	24	0.35	0.02	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	24	0.35	0.02	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	24	0.35	0.02	0.35
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	24	0.34	0.06	0.34
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	24	0.34	0.06	0.34
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	24	0.34	0.06	0.34
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	24	0.34	0.07	0.33
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	24	0.34	0.07	0.33
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	24	0.32	0.17	0.26
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	24	0.32	0.17	0.26
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	24	0.32	0.17	0.26
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	24	0.32	0.04	0.31
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	24	0.32	0.04	0.31
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	24	0.32	0.04	0.31
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	24	0.32	0.07	0.32
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	24	0.32	0.07	0.32
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	24	0.32	0.07	0.32
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	24	0.31	0.03	0.32
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	24	0.3	0.07	0.31
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	24	0.3	0.07	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	24	0.3	0.07	0.31
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	24	0.28	0.03	0.28
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	24	0.28	0.09	0.27
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	24	0.27	0.03	0.27
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	24	0.27	0.03	0.27
(1,2021)	1:73:A:LEU:HD22	1:73:A:LEU:H	24	0.27	0.03	0.27
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	24	0.27	0.07	0.27
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	24	0.27	0.07	0.27
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	24	0.27	0.07	0.27
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	24	0.27	0.06	0.28
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	24	0.27	0.06	0.28
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	24	0.27	0.06	0.28
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	24	0.27	0.06	0.29
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	24	0.27	0.06	0.29
(1,2733)	1:134:A:LEU:HD21	1:130:A:LEU:HG	24	0.26	0.08	0.26
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	24	0.26	0.08	0.26
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	24	0.26	0.08	0.26
(1,1644)	1:134:A:LEU:HD21	1:105:A:PHE:HD1	24	0.26	0.09	0.26
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	24	0.26	0.09	0.26
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	24	0.26	0.09	0.26
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	24	0.25	0.03	0.25
(1,2919)	1:133:A:VAL:HG21	1:108:A:ILE:HB	24	0.25	0.03	0.25
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	24	0.25	0.03	0.25
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	24	0.24	0.05	0.24
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD22	24	0.24	0.05	0.24
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD23	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD13	24	0.24	0.05	0.24
(1,2782)	1:113:A:LEU:HD13	1:66:A:LEU:HD21	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD12	24	0.24	0.05	0.24
(1,2782)	1:113:A:LEU:HD13	1:66:A:LEU:HD23	24	0.24	0.05	0.24
(1,2782)	1:113:A:LEU:HD12	1:66:A:LEU:HD23	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD11	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD12	24	0.24	0.05	0.24
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD21	24	0.24	0.05	0.24
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD11	24	0.24	0.05	0.24
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	24	0.23	0.02	0.23
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	24	0.23	0.04	0.24
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	24	0.23	0.03	0.23
(1,2921)	1:133:A:VAL:HG21	1:108:A:ILE:HB	24	0.23	0.03	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	24	0.23	0.03	0.23
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	24	0.22	0.04	0.23
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	24	0.21	0.05	0.22
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	24	0.21	0.05	0.22
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	24	0.21	0.05	0.22
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	24	0.21	0.04	0.22
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	24	0.21	0.04	0.22
(1,2006)	1:71:A:LEU:HD11	1:71:A:LEU:H	24	0.21	0.04	0.22
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	24	0.21	0.05	0.21
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	24	0.21	0.05	0.21
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	24	0.21	0.05	0.21
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	24	0.21	0.03	0.21
(1,2920)	1:133:A:VAL:HG21	1:108:A:ILE:HB	24	0.21	0.03	0.21
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	24	0.21	0.03	0.21
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	24	0.19	0.04	0.2
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	24	0.19	0.05	0.2
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	24	0.19	0.05	0.2
(1,930)	1:84:A:VAL:HG23	1:83:A:GLU:H	24	0.19	0.05	0.2
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	24	0.19	0.05	0.19
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	24	0.19	0.04	0.2
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	24	0.19	0.17	0.15
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	24	0.17	0.02	0.17
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	24	0.16	0.04	0.16
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	24	0.16	0.04	0.15
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG11	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG11	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG12	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG13	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG13	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG12	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG11	24	0.14	0.02	0.14
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG13	24	0.14	0.02	0.14
(1,333)	1:79:A:ALA:HB2	1:79:A:ALA:HA	24	0.14	0.02	0.13
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	24	0.14	0.02	0.13
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	24	0.14	0.02	0.13
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	24	0.14	0.02	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	24	0.14	0.01	0.14
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	23	0.84	0.16	0.85
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	23	0.84	0.16	0.85
(1,2886)	1:73:A:LEU:HD21	1:120:A:PRO:HB3	23	0.84	0.16	0.85
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	23	0.75	0.09	0.76
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	23	0.75	0.09	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	23	0.75	0.09	0.76
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	23	0.69	0.07	0.7
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	23	0.67	0.11	0.69
(1,1076)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	23	0.67	0.11	0.69
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	23	0.67	0.11	0.69
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	23	0.58	0.17	0.57
(1,2885)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	23	0.58	0.17	0.57
(1,2885)	1:134:A:LEU:HD12	1:131:A:CYS:HB3	23	0.58	0.17	0.57
(1,2885)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	23	0.58	0.17	0.57
(1,2885)	1:134:A:LEU:HD13	1:131:A:CYS:HB3	23	0.58	0.17	0.57
(1,2885)	1:134:A:LEU:HD11	1:131:A:CYS:HB3	23	0.58	0.17	0.57
(1,2885)	1:73:A:LEU:HD13	1:70:A:PHE:HB2	23	0.58	0.17	0.57
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	23	0.55	0.05	0.56
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	23	0.48	0.24	0.46
(1,3314)	1:77:A:GLN:HE22	1:123:A:LEU:HB2	23	0.48	0.24	0.46
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	23	0.46	0.28	0.35
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	23	0.45	0.1	0.42
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	23	0.44	0.16	0.38
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	23	0.44	0.16	0.38
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD13	23	0.44	0.16	0.38
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	23	0.42	0.13	0.45
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	23	0.42	0.13	0.45
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	23	0.42	0.13	0.45
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	23	0.4	0.09	0.42
(1,3060)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	23	0.4	0.09	0.42
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	23	0.4	0.09	0.42
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	23	0.39	0.09	0.4
(1,1788)	1:135:A:LYS:H	1:135:A:LYS:HG3	23	0.39	0.09	0.4
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	23	0.34	0.04	0.35
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	23	0.34	0.04	0.35
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	23	0.3	0.16	0.22
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	23	0.3	0.11	0.32
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	23	0.3	0.11	0.32
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	23	0.3	0.11	0.32
(1,2685)	1:84:A:VAL:HG13	1:124:A:TYR:HE1	23	0.3	0.07	0.32
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	23	0.3	0.07	0.32
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	23	0.3	0.07	0.32
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	23	0.3	0.06	0.29
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	23	0.3	0.06	0.29
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	23	0.3	0.06	0.29
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	23	0.29	0.08	0.29
(1,3240)	1:63:A:ASN:H	1:60:A:LYS:HD2	23	0.29	0.08	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	23	0.29	0.11	0.24
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	23	0.28	0.07	0.27
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	23	0.28	0.07	0.27
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	23	0.28	0.07	0.27
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	23	0.28	0.1	0.24
(1,3040)	1:116:A:ALA:HB1	1:123:A:LEU:HB2	23	0.26	0.05	0.28
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	23	0.26	0.05	0.28
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	23	0.26	0.05	0.28
(1,3040)	1:116:A:ALA:HB2	1:112:A:VAL:HB	23	0.26	0.05	0.28
(1,3040)	1:116:A:ALA:HB2	1:123:A:LEU:HB2	23	0.26	0.05	0.28
(1,3040)	1:116:A:ALA:HB3	1:123:A:LEU:HB2	23	0.26	0.05	0.28
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	23	0.26	0.03	0.27
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	23	0.25	0.06	0.23
(1,3279)	1:70:A:PHE:HB3	1:72:A:GLU:H	23	0.25	0.06	0.23
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	23	0.24	0.04	0.23
(1,1641)	1:134:A:LEU:HD22	1:134:A:LEU:H	23	0.22	0.04	0.21
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	23	0.22	0.04	0.21
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	23	0.22	0.04	0.21
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	23	0.21	0.04	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	23	0.21	0.04	0.23
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD13	23	0.2	0.07	0.19
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	23	0.2	0.07	0.19
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	23	0.2	0.07	0.19
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	23	0.2	0.03	0.2
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	23	0.2	0.03	0.2
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	23	0.18	0.05	0.19
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	23	0.18	0.04	0.16
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	23	0.17	0.03	0.18
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	23	0.16	0.02	0.16
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	23	0.15	0.01	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	23	0.15	0.01	0.15
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	22	0.94	0.33	0.86
(1,2725)	1:125:A:VAL:HG11	1:122:A:LYS:HG2	22	0.8	0.14	0.78
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	22	0.8	0.14	0.78
(1,2725)	1:125:A:VAL:HG12	1:122:A:LYS:HG3	22	0.8	0.14	0.78
(1,2725)	1:125:A:VAL:HG12	1:122:A:LYS:HG2	22	0.8	0.14	0.78
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG3	22	0.8	0.14	0.78
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD23	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD23	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD23	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD21	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD22	22	0.7	0.16	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD22	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD21	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD21	22	0.7	0.16	0.74
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD22	22	0.7	0.16	0.74
(1,3370)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	22	0.68	0.25	0.76
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	22	0.68	0.25	0.76
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	22	0.68	0.25	0.76
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	22	0.62	0.0	0.62
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	22	0.59	0.03	0.58
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	22	0.58	0.05	0.58
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	22	0.55	0.29	0.44
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	22	0.55	0.23	0.56
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	22	0.55	0.23	0.56
(1,2875)	1:71:A:LEU:HD13	1:75:A:LYS:HE2	22	0.55	0.23	0.56
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	22	0.45	0.02	0.45
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	22	0.44	0.28	0.32
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE2	22	0.44	0.28	0.32
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	22	0.43	0.08	0.42
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE2	22	0.39	0.14	0.38
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	22	0.39	0.14	0.38
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE3	22	0.39	0.14	0.38
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	22	0.33	0.07	0.34
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	22	0.31	0.03	0.32
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	22	0.29	0.08	0.31
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	22	0.29	0.08	0.31
(1,725)	1:66:A:LEU:HD23	1:69:A:GLU:HB3	22	0.29	0.08	0.31
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	22	0.28	0.05	0.28
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD12	22	0.28	0.05	0.28
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD11	22	0.28	0.05	0.28
(1,3291)	1:85:A:VAL:HG21	1:74:A:CYS:H	22	0.28	0.05	0.28
(1,3291)	1:85:A:VAL:HG23	1:74:A:CYS:H	22	0.28	0.05	0.28
(1,3291)	1:85:A:VAL:HG22	1:74:A:CYS:H	22	0.28	0.05	0.28
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	22	0.25	0.03	0.25
(1,3572)	1:99:A:PHE:HZ	1:133:A:VAL:HB	22	0.24	0.1	0.21
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	22	0.24	0.1	0.21
(1,3572)	1:99:A:PHE:HZ	1:104:A:GLU:HG3	22	0.24	0.1	0.21
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	22	0.23	0.07	0.24
(1,3310)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	22	0.23	0.07	0.24
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	22	0.23	0.07	0.24
(1,2501)	1:134:A:LEU:HD13	1:134:A:LEU:H	22	0.21	0.09	0.18
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	22	0.21	0.09	0.18
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	22	0.21	0.09	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	22	0.19	0.06	0.18
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB3	22	0.19	0.03	0.19
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	22	0.19	0.03	0.19
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB1	22	0.19	0.03	0.19
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB2	22	0.19	0.03	0.19
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	22	0.18	0.04	0.16
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	22	0.18	0.04	0.16
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	22	0.18	0.04	0.16
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	22	0.18	0.04	0.18
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	22	0.16	0.03	0.17
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	22	0.16	0.04	0.16
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	22	0.14	0.02	0.15
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	22	0.14	0.03	0.14
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	22	0.14	0.03	0.14
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	22	0.14	0.03	0.14
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	22	0.12	0.0	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	22	0.12	0.01	0.12
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	21	1.31	1.54	0.39
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	21	0.91	0.16	0.9
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	21	0.91	0.16	0.9
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	21	0.91	0.16	0.9
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	21	0.71	0.29	0.73
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	21	0.57	0.06	0.56
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	21	0.48	0.17	0.46
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	21	0.48	0.17	0.46
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	21	0.48	0.17	0.46
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	21	0.48	0.08	0.49
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	21	0.48	0.13	0.47
(1,788)	1:73:A:LEU:HD23	1:77:A:GLN:HG3	21	0.48	0.13	0.47
(1,788)	1:73:A:LEU:HD21	1:77:A:GLN:HG3	21	0.48	0.13	0.47
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	21	0.47	0.2	0.61
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD13	21	0.47	0.28	0.43
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	21	0.47	0.28	0.43
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	21	0.47	0.28	0.43
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	21	0.44	0.03	0.44
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	21	0.44	0.03	0.44
(1,1485)	1:123:A:LEU:HD22	1:124:A:TYR:H	21	0.44	0.03	0.44
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	21	0.32	0.05	0.33
(1,787)	1:73:A:LEU:HD21	1:74:A:CYS:HA	21	0.32	0.05	0.33
(1,787)	1:73:A:LEU:HD22	1:74:A:CYS:HA	21	0.32	0.05	0.33
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD11	21	0.29	0.11	0.29
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD11	21	0.29	0.11	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	21	0.29	0.11	0.29
(1,234)	1:73:A:LEU:HD22	1:123:A:LEU:HD11	21	0.29	0.11	0.29
(1,234)	1:73:A:LEU:HD22	1:123:A:LEU:HD12	21	0.29	0.11	0.29
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD12	21	0.29	0.11	0.29
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD12	21	0.29	0.11	0.29
(1,234)	1:73:A:LEU:HD22	1:123:A:LEU:HD13	21	0.29	0.11	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	21	0.28	0.01	0.29
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	21	0.26	0.09	0.26
(1,2790)	1:85:A:VAL:HG13	1:71:A:LEU:HB3	21	0.26	0.09	0.26
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	21	0.26	0.09	0.26
(1,2790)	1:85:A:VAL:HG11	1:71:A:LEU:HB3	21	0.26	0.09	0.26
(1,2790)	1:85:A:VAL:HG11	1:75:A:LYS:HG3	21	0.26	0.09	0.26
(1,2790)	1:85:A:VAL:HG12	1:71:A:LEU:HB3	21	0.26	0.09	0.26
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	21	0.25	0.02	0.25
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	21	0.25	0.08	0.24
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	21	0.25	0.08	0.24
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	21	0.25	0.08	0.24
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	21	0.25	0.06	0.24
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	21	0.25	0.06	0.24
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG23	21	0.25	0.06	0.24
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	21	0.23	0.04	0.22
(1,1094)	1:134:A:LEU:HD12	1:92:A:GLN:HB3	21	0.21	0.08	0.21
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	21	0.21	0.08	0.21
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	21	0.21	0.08	0.21
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	21	0.21	0.09	0.2
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD22	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD23	1:71:A:LEU:HD21	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD23	1:71:A:LEU:HD23	21	0.16	0.04	0.16
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	21	0.16	0.04	0.16
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	21	0.16	0.03	0.16
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	21	0.16	0.04	0.15
(1,1720)	1:85:A:VAL:HG12	1:89:A:TYR:H	21	0.16	0.04	0.15
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	21	0.16	0.04	0.15
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	21	0.16	0.04	0.16
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	21	0.11	0.0	0.11
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	20	1.39	0.69	1.76
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	20	0.78	0.22	0.8
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	20	0.78	0.22	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD1	20	0.78	0.22	0.8
(1,3082)	1:127:A:ILE:HG22	1:87:A:PHE:HD2	20	0.78	0.22	0.8
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD1	20	0.78	0.22	0.8
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	20	0.53	0.3	0.51
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG21	20	0.53	0.3	0.51
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG22	20	0.53	0.3	0.51
(1,3073)	1:125:A:VAL:HG23	1:124:A:TYR:HB3	20	0.53	0.3	0.51
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	20	0.43	0.1	0.44
(1,3266)	1:69:A:GLU:HB3	1:69:A:GLU:H	20	0.43	0.1	0.44
(1,1182)	1:100:A:LEU:HD12	1:92:A:GLN:HE22	20	0.42	0.16	0.43
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	20	0.42	0.16	0.43
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE22	20	0.42	0.16	0.43
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	20	0.42	0.16	0.43
(1,1182)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	20	0.42	0.16	0.43
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	20	0.21	0.02	0.21
(1,1662)	1:136:A:ALA:HB3	1:137:A:HIS:HD2	20	0.21	0.02	0.21
(1,1662)	1:136:A:ALA:HB1	1:137:A:HIS:HD2	20	0.21	0.02	0.21
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	20	0.2	0.04	0.21
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	20	0.2	0.04	0.21
(1,760)	1:71:A:LEU:HD11	1:68:A:GLU:HA	20	0.2	0.04	0.21
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	20	0.19	0.05	0.18
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	20	0.19	0.05	0.18
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	20	0.19	0.05	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	20	0.18	0.03	0.18
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	20	0.18	0.05	0.17
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	20	0.16	0.03	0.16
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	20	0.16	0.03	0.16
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	20	0.15	0.04	0.15
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	20	0.14	0.02	0.14
(1,373)	1:108:A:ILE:HG23	1:108:A:ILE:HG12	20	0.14	0.02	0.14
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	20	0.14	0.02	0.14
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	20	0.12	0.01	0.12
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	19	1.68	0.8	2.01
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	19	1.25	0.49	1.49
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	19	1.25	0.49	1.49
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	19	0.91	0.29	1.04
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE2	19	0.91	0.29	1.04
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	19	0.89	0.2	0.95
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	19	0.89	0.2	0.95
(1,3070)	1:125:A:VAL:HG11	1:122:A:LYS:HE3	19	0.73	0.2	0.71
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	19	0.73	0.2	0.71
(1,3070)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	19	0.73	0.2	0.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3070)	1:125:A:VAL:HG12	1:122:A:LYS:HE3	19	0.73	0.2	0.71
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	19	0.64	0.17	0.63
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	19	0.39	0.37	0.23
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	19	0.37	0.13	0.34
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	19	0.37	0.13	0.34
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	19	0.3	0.02	0.29
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	19	0.28	0.26	0.17
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	19	0.26	0.07	0.25
(1,1407)	1:73:A:LEU:HD21	1:117:A:ARG:HA	19	0.26	0.07	0.25
(1,1407)	1:73:A:LEU:HD23	1:117:A:ARG:HA	19	0.26	0.07	0.25
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	19	0.26	0.07	0.25
(1,1183)	1:100:A:LEU:HD21	1:100:A:LEU:H	19	0.2	0.08	0.18
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	19	0.2	0.08	0.18
(1,1183)	1:100:A:LEU:HD23	1:100:A:LEU:H	19	0.2	0.08	0.18
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	19	0.18	0.04	0.18
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	19	0.18	0.04	0.18
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD13	19	0.18	0.04	0.18
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD21	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD21	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD22	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD21	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD23	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD23	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD22	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD23	19	0.16	0.03	0.15
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD22	19	0.16	0.03	0.15
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	19	0.14	0.02	0.14
(1,700)	1:66:A:LEU:HD23	1:65:A:LYS:HE2	18	1.03	0.69	0.77
(1,700)	1:66:A:LEU:HD21	1:65:A:LYS:HE2	18	1.03	0.69	0.77
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	18	1.03	0.69	0.77
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	18	0.95	0.21	0.9
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	18	0.66	0.21	0.6
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	18	0.64	0.34	0.82
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	18	0.54	0.19	0.53
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB3	18	0.54	0.19	0.53
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB2	18	0.54	0.19	0.53
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB3	18	0.54	0.19	0.53
(1,2738)	1:101:A:ALA:HB2	1:58:A:CYS:HB2	18	0.54	0.19	0.53
(1,2738)	1:101:A:ALA:HB2	1:58:A:CYS:HB3	18	0.54	0.19	0.53
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	18	0.43	0.42	0.15
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	18	0.4	0.46	0.18
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	18	0.37	0.03	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	18	0.33	0.02	0.33
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	18	0.25	0.07	0.28
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	18	0.23	0.01	0.24
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	18	0.22	0.04	0.23
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	18	0.21	0.06	0.2
(1,3162)	1:73:A:LEU:HD21	1:117:A:ARG:HA	18	0.21	0.06	0.2
(1,3162)	1:73:A:LEU:HD23	1:117:A:ARG:HA	18	0.21	0.06	0.2
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	18	0.21	0.08	0.2
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	18	0.21	0.08	0.2
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB3	18	0.21	0.08	0.2
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	18	0.21	0.04	0.22
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	18	0.18	0.04	0.18
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	18	0.17	0.05	0.16
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB2	18	0.17	0.05	0.16
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB3	18	0.17	0.05	0.16
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	18	0.16	0.03	0.16
(1,2039)	1:73:A:LEU:HD21	1:76:A:MET:H	18	0.16	0.03	0.16
(1,2039)	1:73:A:LEU:HD22	1:76:A:MET:H	18	0.16	0.03	0.16
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	18	0.14	0.03	0.14
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	18	0.14	0.02	0.14
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	18	0.13	0.02	0.13
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	18	0.13	0.02	0.12
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	17	0.54	0.07	0.51
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	17	0.44	0.12	0.46
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	17	0.32	0.02	0.32
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	17	0.29	0.09	0.3
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	17	0.26	0.11	0.23
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	17	0.26	0.07	0.26
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	17	0.26	0.11	0.23
(1,1297)	1:108:A:ILE:HG23	1:99:A:PHE:HE2	17	0.25	0.14	0.2
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	17	0.25	0.14	0.2
(1,1297)	1:108:A:ILE:HG21	1:99:A:PHE:HE2	17	0.25	0.14	0.2
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE1	17	0.25	0.14	0.2
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	17	0.24	0.07	0.22
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD12	17	0.24	0.07	0.22
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD13	17	0.24	0.07	0.22
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	17	0.21	0.06	0.22
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG23	17	0.19	0.05	0.2
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	17	0.19	0.05	0.2
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	17	0.19	0.05	0.2
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	17	0.19	0.04	0.19
(1,2748)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	17	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	17	0.19	0.04	0.19
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	17	0.16	0.05	0.15
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	17	0.14	0.03	0.12
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	17	0.14	0.03	0.12
(1,267)	1:125:A:VAL:HG23	1:125:A:VAL:HA	17	0.14	0.03	0.12
(1,1785)	1:71:A:LEU:HD23	1:71:A:LEU:H	17	0.12	0.02	0.12
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	17	0.12	0.02	0.12
(1,1785)	1:71:A:LEU:HD22	1:71:A:LEU:H	17	0.12	0.02	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	17	0.12	0.01	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD23	17	0.12	0.01	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD22	17	0.12	0.01	0.12
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	16	1.02	0.78	1.42
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	16	0.68	0.07	0.66
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG22	16	0.68	0.07	0.66
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG21	16	0.68	0.07	0.66
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	16	0.4	0.19	0.39
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE2	16	0.4	0.19	0.39
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HD1	16	0.4	0.19	0.39
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	16	0.39	0.25	0.42
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	16	0.21	0.0	0.21
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	16	0.19	0.06	0.16
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	16	0.17	0.05	0.16
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	16	0.17	0.03	0.17
(1,762)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	16	0.17	0.05	0.15
(1,762)	1:71:A:LEU:HD11	1:67:A:PHE:HD2	16	0.17	0.05	0.15
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	16	0.17	0.05	0.15
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	16	0.16	0.04	0.16
(1,3265)	1:69:A:GLU:H	1:65:A:LYS:HE3	16	0.16	0.04	0.16
(1,1301)	1:108:A:ILE:HD13	1:108:A:ILE:H	16	0.14	0.02	0.14
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	16	0.14	0.02	0.14
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	16	0.14	0.02	0.14
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	16	0.14	0.03	0.15
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	16	0.13	0.02	0.12
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	16	0.13	0.01	0.13
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	15	1.62	1.74	0.26
(1,2606)	1:103:A:ALA:HB1	1:59:A:TYR:HE1	15	1.62	1.74	0.26
(1,2606)	1:103:A:ALA:HB3	1:59:A:TYR:HE1	15	1.62	1.74	0.26
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	15	0.65	0.06	0.64
(1,3019)	1:66:A:LEU:HD12	1:110:A:SER:HB2	15	0.65	0.06	0.64
(1,3019)	1:66:A:LEU:HD11	1:110:A:SER:HB2	15	0.65	0.06	0.64
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE21	15	0.49	0.24	0.53
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	15	0.49	0.24	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	15	0.34	0.05	0.35
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	15	0.3	0.06	0.31
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	15	0.3	0.13	0.32
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB1	15	0.3	0.13	0.32
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB2	15	0.3	0.13	0.32
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	15	0.25	0.26	0.18
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	15	0.25	0.13	0.21
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD22	15	0.25	0.13	0.21
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD21	15	0.25	0.13	0.21
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	15	0.24	0.12	0.22
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	15	0.22	0.06	0.21
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	15	0.22	0.06	0.21
(1,689)	1:66:A:LEU:HD12	1:110:A:SER:HB3	15	0.22	0.06	0.21
(1,689)	1:66:A:LEU:HD11	1:110:A:SER:HB2	15	0.22	0.06	0.21
(1,689)	1:66:A:LEU:HD11	1:110:A:SER:HB3	15	0.22	0.06	0.21
(1,689)	1:66:A:LEU:HD12	1:110:A:SER:HB2	15	0.22	0.06	0.21
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB3	15	0.22	0.06	0.21
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	15	0.17	0.07	0.14
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG23	15	0.14	0.02	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG21	15	0.14	0.02	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	15	0.14	0.02	0.13
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	15	0.13	0.02	0.13
(1,2803)	1:125:A:VAL:HG12	1:125:A:VAL:HA	15	0.13	0.02	0.13
(1,2803)	1:125:A:VAL:HG13	1:125:A:VAL:HA	15	0.13	0.02	0.13
(1,2769)	1:61:A:LEU:HD13	1:61:A:LEU:HB3	15	0.12	0.02	0.12
(1,2769)	1:61:A:LEU:HD11	1:61:A:LEU:HB3	15	0.12	0.02	0.12
(1,2769)	1:61:A:LEU:HD12	1:61:A:LEU:HB3	15	0.12	0.02	0.12
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD21	15	0.12	0.02	0.12
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD23	15	0.12	0.02	0.12
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD22	15	0.12	0.02	0.12
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	15	0.12	0.01	0.11
(1,2695)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	14	1.54	1.55	0.29
(1,2695)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	14	1.54	1.55	0.29
(1,2695)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	14	1.54	1.55	0.29
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG23	14	0.85	0.45	0.7
(1,3117)	1:135:A:LYS:HE3	1:132:A:THR:HG23	14	0.85	0.45	0.7
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG21	14	0.85	0.45	0.7
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG22	14	0.85	0.45	0.7
(1,3117)	1:132:A:THR:HG22	1:128:A:ASN:HB3	14	0.85	0.45	0.7
(1,3117)	1:132:A:THR:HG23	1:128:A:ASN:HB3	14	0.85	0.45	0.7
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	14	0.8	0.61	1.06
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	14	0.7	0.05	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	14	0.47	0.12	0.5
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	14	0.47	0.12	0.5
(1,2765)	1:113:A:LEU:HD13	1:70:A:PHE:HD2	14	0.47	0.12	0.5
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	14	0.44	0.08	0.43
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	14	0.39	0.4	0.16
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	14	0.24	0.1	0.23
(1,3158)	1:125:A:VAL:HG13	1:129:A:GLU:HG3	14	0.24	0.1	0.23
(1,3158)	1:125:A:VAL:HG11	1:129:A:GLU:HG3	14	0.24	0.1	0.23
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	14	0.23	0.13	0.18
(1,2762)	1:73:A:LEU:HD22	1:70:A:PHE:HA	14	0.23	0.13	0.18
(1,2762)	1:73:A:LEU:HD23	1:70:A:PHE:HA	14	0.23	0.13	0.18
(1,2762)	1:73:A:LEU:HD21	1:117:A:ARG:HA	14	0.23	0.13	0.18
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD13	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD12	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD12	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD12	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD13	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD11	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD11	14	0.2	0.09	0.21
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD13	14	0.2	0.09	0.21
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD13	14	0.2	0.07	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	14	0.2	0.07	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD11	14	0.2	0.07	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD21	14	0.2	0.07	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD22	14	0.2	0.07	0.18
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	14	0.2	0.07	0.17
(1,1830)	1:85:A:VAL:HG23	1:74:A:CYS:H	14	0.2	0.07	0.17
(1,1830)	1:85:A:VAL:HG22	1:74:A:CYS:H	14	0.2	0.07	0.17
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	14	0.19	0.03	0.19
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB2	14	0.17	0.02	0.16
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB1	14	0.17	0.02	0.16
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB3	14	0.17	0.02	0.16
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	14	0.15	0.02	0.15
(1,688)	1:66:A:LEU:HD12	1:110:A:SER:HA	14	0.15	0.02	0.15
(1,688)	1:66:A:LEU:HD11	1:110:A:SER:HA	14	0.15	0.02	0.15
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	14	0.14	0.04	0.13
(1,1558)	1:127:A:ILE:HD13	1:127:A:ILE:H	14	0.14	0.04	0.13
(1,1558)	1:127:A:ILE:HD12	1:127:A:ILE:H	14	0.14	0.04	0.13
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	14	0.13	0.02	0.13
(1,2119)	1:71:A:LEU:HD11	1:88:A:LEU:H	14	0.13	0.02	0.13
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	14	0.13	0.02	0.13
(1,2119)	1:71:A:LEU:HD12	1:88:A:LEU:H	14	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	14	0.12	0.01	0.12
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	13	1.21	0.32	1.21
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD2	13	1.21	0.32	1.21
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	13	0.95	0.62	0.55
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	13	0.81	0.01	0.81
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	13	0.7	0.23	0.7
(1,3189)	1:66:A:LEU:H	1:62:A:GLU:HB3	13	0.7	0.23	0.7
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD3	13	0.7	0.23	0.7
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	13	0.63	0.4	0.84
(1,2841)	1:69:A:GLU:HB3	1:70:A:PHE:HD2	13	0.63	0.4	0.84
(1,2841)	1:104:A:GLU:HB2	1:137:A:HIS:HD2	13	0.63	0.4	0.84
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	13	0.43	0.2	0.42
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG2	13	0.43	0.2	0.42
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	13	0.41	0.09	0.44
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	13	0.34	0.16	0.33
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	13	0.25	0.07	0.27
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	13	0.23	0.09	0.2
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD23	13	0.21	0.04	0.2
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	13	0.21	0.04	0.2
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD22	13	0.21	0.04	0.2
(1,2767)	1:113:A:LEU:HD21	1:113:A:LEU:HB3	13	0.2	0.02	0.19
(1,2767)	1:113:A:LEU:HD22	1:113:A:LEU:HB3	13	0.2	0.02	0.19
(1,2767)	1:113:A:LEU:HD11	1:113:A:LEU:HB2	13	0.2	0.02	0.19
(1,2767)	1:113:A:LEU:HD13	1:113:A:LEU:HB2	13	0.2	0.02	0.19
(1,2767)	1:113:A:LEU:HD23	1:113:A:LEU:HB3	13	0.2	0.02	0.19
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	13	0.2	0.08	0.16
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	13	0.19	0.09	0.15
(1,2801)	1:85:A:VAL:HG22	1:75:A:LYS:HE2	13	0.19	0.09	0.15
(1,2801)	1:85:A:VAL:HG23	1:75:A:LYS:HE2	13	0.19	0.09	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD22	13	0.16	0.05	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD23	13	0.16	0.05	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD13	13	0.16	0.05	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD12	13	0.16	0.05	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD11	13	0.16	0.05	0.15
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	13	0.16	0.04	0.16
(1,1181)	1:100:A:LEU:HD13	1:100:A:LEU:H	13	0.15	0.04	0.14
(1,1181)	1:100:A:LEU:HD12	1:100:A:LEU:H	13	0.15	0.04	0.14
(1,1181)	1:100:A:LEU:HD11	1:100:A:LEU:H	13	0.15	0.04	0.14
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	13	0.13	0.03	0.13
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	13	0.12	0.02	0.11
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	13	0.12	0.01	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	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)
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	12	1.94	1.51	1.92
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG13	12	0.89	0.41	1.08
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	12	0.89	0.41	1.08
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG11	12	0.89	0.41	1.08
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	12	0.65	0.4	0.5
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	12	0.54	0.13	0.57
(1,2799)	1:65:A:LYS:HE3	1:66:A:LEU:HG	12	0.54	0.13	0.57
(1,2799)	1:65:A:LYS:HE2	1:66:A:LEU:HG	12	0.54	0.13	0.57
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	12	0.4	0.56	0.24
(1,792)	1:73:A:LEU:HD21	1:70:A:PHE:HD2	12	0.4	0.56	0.24
(1,792)	1:73:A:LEU:HD22	1:70:A:PHE:HD2	12	0.4	0.56	0.24
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD22	12	0.39	0.1	0.38
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD23	12	0.39	0.1	0.38
(1,61)	1:113:A:LEU:HD23	1:66:A:LEU:HD21	12	0.39	0.1	0.38
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD22	12	0.39	0.1	0.38
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD23	12	0.39	0.1	0.38
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD21	12	0.39	0.1	0.38
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE2	12	0.27	0.12	0.32
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	12	0.27	0.12	0.32
(1,3410)	1:104:A:GLU:H	1:63:A:ASN:HD21	12	0.27	0.12	0.32
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD22	12	0.25	0.08	0.24
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD23	12	0.25	0.08	0.24
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD21	12	0.25	0.08	0.24
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD23	12	0.25	0.08	0.24
(1,2768)	1:113:A:LEU:HD12	1:66:A:LEU:HD23	12	0.25	0.08	0.24
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD22	12	0.25	0.08	0.24
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	12	0.22	0.04	0.22
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG23	12	0.22	0.04	0.22
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG21	12	0.22	0.04	0.22
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG22	12	0.22	0.04	0.22
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG23	12	0.22	0.04	0.22
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG22	12	0.22	0.04	0.22
(1,3032)	1:113:A:LEU:HD13	1:112:A:VAL:HG22	12	0.22	0.04	0.22
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	12	0.22	0.06	0.22
(1,1647)	1:134:A:LEU:HD23	1:99:A:PHE:HZ	12	0.22	0.06	0.22
(1,1647)	1:134:A:LEU:HD22	1:99:A:PHE:HZ	12	0.22	0.06	0.22
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	12	0.21	0.09	0.18
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD12	12	0.21	0.08	0.18
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD13	12	0.21	0.08	0.18
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD11	12	0.21	0.08	0.18
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	12	0.2	0.09	0.18
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	12	0.19	0.03	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD21	12	0.17	0.05	0.16
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD22	12	0.17	0.05	0.16
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD23	12	0.17	0.05	0.16
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	12	0.15	0.03	0.15
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	11	1.37	1.1	1.05
(1,2684)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	11	1.37	1.1	1.05
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	11	1.24	0.97	1.89
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	11	0.85	0.22	0.95
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	11	0.74	0.24	0.85
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	11	0.74	0.41	0.68
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	11	0.55	0.1	0.59
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB2	11	0.45	0.14	0.45
(1,3538)	1:138:A:SER:H	1:141:A:LYS:HG3	11	0.45	0.14	0.45
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB3	11	0.45	0.14	0.45
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB1	11	0.45	0.14	0.45
(1,3538)	1:138:A:SER:H	1:141:A:LYS:HG2	11	0.45	0.14	0.45
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	11	0.41	0.01	0.41
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG2	11	0.38	0.15	0.34
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	11	0.38	0.15	0.34
(1,2858)	1:135:A:LYS:HE3	1:135:A:LYS:HB2	11	0.33	0.15	0.36
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	11	0.33	0.15	0.36
(1,1517)	1:125:A:VAL:HG21	1:124:A:TYR:H	11	0.25	0.16	0.14
(1,1517)	1:125:A:VAL:HG23	1:124:A:TYR:H	11	0.25	0.16	0.14
(1,1517)	1:125:A:VAL:HG22	1:124:A:TYR:H	11	0.25	0.16	0.14
(1,1781)	1:98:A:LEU:HD23	1:98:A:LEU:H	11	0.22	0.08	0.23
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	11	0.22	0.08	0.23
(1,1781)	1:98:A:LEU:HD22	1:98:A:LEU:H	11	0.22	0.08	0.23
(1,2975)	1:113:A:LEU:HD22	1:69:A:GLU:H	11	0.2	0.07	0.18
(1,2975)	1:113:A:LEU:HD21	1:69:A:GLU:H	11	0.2	0.07	0.18
(1,2975)	1:113:A:LEU:HD12	1:69:A:GLU:H	11	0.2	0.07	0.18
(1,2975)	1:113:A:LEU:HD23	1:69:A:GLU:H	11	0.2	0.07	0.18
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	11	0.19	0.05	0.19
(1,1484)	1:123:A:LEU:HD23	1:124:A:TYR:HD1	11	0.19	0.05	0.19
(1,1484)	1:123:A:LEU:HD21	1:124:A:TYR:HD1	11	0.19	0.05	0.19
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	11	0.17	0.05	0.16
(1,3259)	1:66:A:LEU:HD12	1:67:A:PHE:H	11	0.17	0.05	0.16
(1,3259)	1:66:A:LEU:HD11	1:67:A:PHE:H	11	0.17	0.05	0.16
(1,2879)	1:71:A:LEU:HD23	1:74:A:CYS:HB2	11	0.16	0.03	0.16
(1,2879)	1:71:A:LEU:HD21	1:74:A:CYS:HB2	11	0.16	0.03	0.16
(1,2879)	1:71:A:LEU:HD22	1:74:A:CYS:HB2	11	0.16	0.03	0.16
(1,1986)	1:109:A:LEU:HD23	1:68:A:GLU:H	11	0.15	0.05	0.15
(1,1986)	1:109:A:LEU:HD21	1:68:A:GLU:H	11	0.15	0.05	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1986)	1:109:A:LEU:HD22	1:68:A:GLU:H	11	0.15	0.05	0.15
(1,3389)	1:95:A:ALA:H	1:96:A:HIS:H	11	0.15	0.03	0.16
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	11	0.15	0.03	0.16
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	11	0.15	0.03	0.13
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	11	0.12	0.02	0.12
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	11	0.11	0.01	0.1
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	10	0.86	0.57	0.85
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	10	0.56	0.14	0.61
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	10	0.56	0.26	0.49
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	10	0.48	0.11	0.48
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	10	0.4	0.16	0.45
(1,2641)	1:139:A:ALA:HB2	1:96:A:HIS:HD2	10	0.4	0.16	0.45
(1,2641)	1:139:A:ALA:HB1	1:96:A:HIS:HD2	10	0.4	0.16	0.45
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG21	10	0.36	0.12	0.4
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG22	10	0.36	0.12	0.4
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG23	10	0.36	0.12	0.4
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	10	0.35	0.05	0.36
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE2	10	0.35	0.05	0.36
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	10	0.29	0.17	0.2
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD3	10	0.29	0.17	0.2
(1,1806)	1:139:A:ALA:HB3	1:96:A:HIS:H	10	0.26	0.07	0.24
(1,1806)	1:139:A:ALA:HB1	1:96:A:HIS:H	10	0.26	0.07	0.24
(1,1806)	1:139:A:ALA:HB2	1:96:A:HIS:H	10	0.26	0.07	0.24
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	10	0.25	0.11	0.22
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG3	10	0.25	0.11	0.22
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB2	10	0.23	0.1	0.22
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB3	10	0.23	0.1	0.22
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB1	10	0.23	0.1	0.22
(1,2989)	1:100:A:LEU:HD21	1:92:A:GLN:HB2	10	0.23	0.05	0.22
(1,2989)	1:100:A:LEU:HD21	1:63:A:ASN:HB3	10	0.23	0.05	0.22
(1,2989)	1:100:A:LEU:HD22	1:63:A:ASN:HB3	10	0.23	0.05	0.22
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB2	10	0.22	0.11	0.18
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB3	10	0.22	0.11	0.18
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB1	10	0.22	0.11	0.18
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	10	0.22	0.11	0.19
(1,3169)	1:141:A:LYS:HG2	1:142:A:LYS:H	10	0.22	0.11	0.19
(1,3169)	1:142:A:LYS:HG2	1:142:A:LYS:H	10	0.22	0.11	0.19
(1,3169)	1:141:A:LYS:HG3	1:142:A:LYS:H	10	0.22	0.11	0.19
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	10	0.2	0.2	0.12
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	10	0.18	0.05	0.16
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	10	0.17	0.0	0.17
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	10	0.16	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD23	10	0.16	0.05	0.16
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD21	10	0.16	0.05	0.16
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB2	10	0.15	0.03	0.14
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB3	10	0.15	0.03	0.14
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB1	10	0.15	0.03	0.14
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB2	10	0.15	0.03	0.14
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB3	10	0.15	0.03	0.14
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB1	10	0.15	0.03	0.14
(1,94)	1:133:A:VAL:HG11	1:136:A:ALA:HB3	10	0.15	0.03	0.14
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	10	0.12	0.02	0.12
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	10	0.11	0.0	0.11
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	9	0.66	0.03	0.66
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	9	0.52	0.3	0.46
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD12	9	0.5	0.11	0.55
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD13	9	0.5	0.11	0.55
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD11	9	0.5	0.11	0.55
(1,2965)	1:94:A:ARG:HB2	1:138:A:SER:HB3	9	0.46	0.13	0.49
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	9	0.46	0.13	0.49
(1,2850)	1:58:A:CYS:HA	1:57:A:LYS:HB3	9	0.46	0.16	0.45
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB1	9	0.46	0.16	0.45
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB3	9	0.46	0.16	0.45
(1,2995)	1:101:A:ALA:HB3	1:102:A:SER:HA	9	0.42	0.16	0.42
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB1	9	0.42	0.16	0.42
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB3	9	0.42	0.16	0.42
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD2	9	0.3	0.16	0.29
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	9	0.3	0.16	0.29
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG13	9	0.3	0.07	0.29
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG12	9	0.3	0.07	0.29
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG11	9	0.3	0.07	0.29
(1,402)	1:101:A:ALA:HB1	1:60:A:LYS:HA	9	0.22	0.06	0.24
(1,402)	1:101:A:ALA:HB3	1:60:A:LYS:HA	9	0.22	0.06	0.24
(1,402)	1:101:A:ALA:HB2	1:60:A:LYS:HA	9	0.22	0.06	0.24
(1,820)	1:71:A:LEU:HD21	1:75:A:LYS:HE2	9	0.22	0.06	0.26
(1,820)	1:71:A:LEU:HD22	1:75:A:LYS:HE2	9	0.22	0.06	0.26
(1,820)	1:71:A:LEU:HD23	1:75:A:LYS:HE2	9	0.22	0.06	0.26
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	9	0.22	0.09	0.2
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	9	0.22	0.05	0.23
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	9	0.21	0.07	0.18
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	9	0.16	0.05	0.17
(1,1661)	1:136:A:ALA:HB1	1:133:A:VAL:H	9	0.16	0.05	0.17
(1,1661)	1:136:A:ALA:HB3	1:133:A:VAL:H	9	0.16	0.05	0.17
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	9	0.15	0.06	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD11	9	0.15	0.04	0.14
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD13	9	0.15	0.04	0.14
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD12	9	0.15	0.04	0.14
(1,2931)	1:88:A:LEU:HD13	1:71:A:LEU:H	9	0.14	0.04	0.12
(1,2931)	1:88:A:LEU:HD12	1:71:A:LEU:H	9	0.14	0.04	0.12
(1,2931)	1:88:A:LEU:HD11	1:71:A:LEU:H	9	0.14	0.04	0.12
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	9	0.11	0.01	0.11
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	9	0.11	0.01	0.11
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	9	0.11	0.01	0.11
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	8	1.36	0.86	1.19
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	8	1.04	0.25	1.01
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	8	0.71	0.01	0.71
(1,3239)	1:63:A:ASN:H	1:64:A:GLU:HB2	8	0.48	0.04	0.49
(1,3239)	1:62:A:GLU:HG3	1:63:A:ASN:H	8	0.48	0.04	0.49
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	8	0.44	0.3	0.44
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	8	0.4	0.12	0.4
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	8	0.39	0.19	0.38
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE2	8	0.39	0.19	0.38
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	8	0.38	0.19	0.41
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	8	0.36	0.02	0.36
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE3	8	0.26	0.07	0.26
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE2	8	0.26	0.07	0.26
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE2	8	0.26	0.06	0.24
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	8	0.26	0.06	0.24
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	8	0.2	0.01	0.2
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG23	8	0.15	0.04	0.13
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG22	8	0.15	0.04	0.13
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG21	8	0.15	0.04	0.13
(1,3397)	1:99:A:PHE:H	1:95:A:ALA:HB2	8	0.15	0.03	0.14
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB2	8	0.15	0.03	0.14
(1,3397)	1:99:A:PHE:H	1:95:A:ALA:HB1	8	0.15	0.03	0.14
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB1	8	0.15	0.03	0.14
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB3	8	0.15	0.03	0.14
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	8	0.14	0.03	0.14
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	8	0.13	0.03	0.11
(1,923)	1:84:A:VAL:HG11	1:88:A:LEU:H	8	0.13	0.02	0.12
(1,923)	1:84:A:VAL:HG13	1:88:A:LEU:H	8	0.13	0.02	0.12
(1,923)	1:84:A:VAL:HG12	1:88:A:LEU:H	8	0.13	0.02	0.12
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	7	1.29	0.5	1.43
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	7	0.63	0.48	0.8
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	7	0.63	0.2	0.78
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD23	7	0.57	0.31	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD21	7	0.57	0.31	0.59
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD22	7	0.57	0.31	0.59
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD2	7	0.56	0.05	0.58
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD3	7	0.56	0.05	0.58
(1,2845)	1:135:A:LYS:HE2	1:132:A:THR:HA	7	0.56	0.43	0.55
(1,2845)	1:135:A:LYS:HE3	1:132:A:THR:HA	7	0.56	0.43	0.55
(1,2845)	1:141:A:LYS:HE2	1:138:A:SER:HB2	7	0.56	0.43	0.55
(1,2845)	1:65:A:LYS:HE2	1:62:A:GLU:HA	7	0.56	0.43	0.55
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	7	0.43	0.03	0.44
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	7	0.4	0.24	0.54
(1,3115)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	7	0.34	0.06	0.33
(1,3115)	1:88:A:LEU:HD23	1:131:A:CYS:HB3	7	0.34	0.06	0.33
(1,3115)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	7	0.34	0.06	0.33
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG3	7	0.33	0.13	0.33
(1,3219)	1:141:A:LYS:H	1:140:A:LYS:HG3	7	0.33	0.13	0.33
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG2	7	0.33	0.13	0.33
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	7	0.32	0.06	0.3
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG2	7	0.31	0.12	0.35
(1,3184)	1:58:A:CYS:H	1:56:A:LYS:HG2	7	0.31	0.12	0.35
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG3	7	0.31	0.12	0.35
(1,243)	1:84:A:VAL:HG22	1:81:A:HIS:HB2	7	0.27	0.14	0.25
(1,243)	1:84:A:VAL:HG21	1:81:A:HIS:HB2	7	0.27	0.14	0.25
(1,1223)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	7	0.2	0.06	0.2
(1,1223)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	7	0.2	0.06	0.2
(1,1223)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	7	0.2	0.06	0.2
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	7	0.2	0.1	0.19
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	7	0.18	0.1	0.12
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD22	7	0.18	0.07	0.15
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD21	7	0.18	0.07	0.15
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	7	0.17	0.04	0.19
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG21	7	0.16	0.05	0.16
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG23	7	0.16	0.05	0.16
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG22	7	0.16	0.05	0.16
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	7	0.15	0.02	0.15
(1,3315)	1:85:A:VAL:HG22	1:78:A:THR:H	7	0.14	0.03	0.12
(1,3315)	1:85:A:VAL:HG23	1:78:A:THR:H	7	0.14	0.03	0.12
(1,3315)	1:85:A:VAL:HG21	1:78:A:THR:H	7	0.14	0.03	0.12
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	7	0.12	0.01	0.12
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	6	1.55	0.18	1.45
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	6	1.38	0.11	1.43
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	6	0.61	0.04	0.6
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE2	6	0.55	0.47	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE1	6	0.55	0.47	0.3
(1,862)	1:79:A:ALA:HB3	1:80:A:ASP:HB2	6	0.55	0.06	0.52
(1,862)	1:79:A:ALA:HB1	1:80:A:ASP:HB2	6	0.55	0.06	0.52
(1,862)	1:79:A:ALA:HB2	1:80:A:ASP:HB2	6	0.55	0.06	0.52
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	6	0.45	0.36	0.34
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	6	0.41	0.08	0.4
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	6	0.4	0.07	0.44
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD12	6	0.32	0.18	0.25
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD13	6	0.32	0.18	0.25
(1,3517)	1:130:A:LEU:HD22	1:131:A:CYS:H	6	0.32	0.18	0.25
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD11	6	0.32	0.18	0.25
(1,3517)	1:130:A:LEU:HD21	1:131:A:CYS:H	6	0.32	0.18	0.25
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	6	0.28	0.08	0.28
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	6	0.25	0.11	0.24
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	6	0.24	0.06	0.23
(1,1739)	1:66:A:LEU:HD22	1:69:A:GLU:HG2	6	0.24	0.06	0.26
(1,1739)	1:66:A:LEU:HD23	1:69:A:GLU:HG2	6	0.24	0.06	0.26
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	6	0.24	0.11	0.24
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	6	0.23	0.08	0.21
(1,1343)	1:111:A:ARG:HD2	1:111:A:ARG:HB2	6	0.18	0.04	0.18
(1,1343)	1:111:A:ARG:HB2	1:111:A:ARG:HD3	6	0.18	0.04	0.18
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	6	0.18	0.03	0.19
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD21	6	0.16	0.06	0.14
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD22	6	0.16	0.06	0.14
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD23	6	0.16	0.06	0.14
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	6	0.14	0.01	0.14
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	6	0.13	0.02	0.12
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	6	0.12	0.02	0.12
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HG	6	0.12	0.03	0.11
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HB2	6	0.12	0.03	0.11
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	6	0.12	0.01	0.12
(1,1738)	1:64:A:GLU:HG2	1:60:A:LYS:HD2	5	1.45	0.08	1.51
(1,314)	1:94:A:ARG:HD2	1:94:A:ARG:HB3	5	0.87	0.61	1.35
(1,1112)	1:94:A:ARG:HD2	1:94:A:ARG:H	5	0.65	0.06	0.62
(1,1747)	1:104:A:GLU:HG2	1:105:A:PHE:H	5	0.61	0.08	0.6
(1,3141)	1:140:A:LYS:HD3	1:140:A:LYS:HA	5	0.61	0.13	0.6
(1,3141)	1:141:A:LYS:HA	1:141:A:LYS:HD3	5	0.61	0.13	0.6
(1,3141)	1:140:A:LYS:HD2	1:140:A:LYS:HA	5	0.61	0.13	0.6
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD22	5	0.6	0.26	0.62
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD23	5	0.6	0.26	0.62
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD21	5	0.6	0.26	0.62
(1,722)	1:62:A:GLU:HG2	1:62:A:GLU:HA	5	0.36	0.04	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD3	5	0.34	0.12	0.31
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD2	5	0.34	0.12	0.31
(1,2969)	1:95:A:ALA:HB1	1:137:A:HIS:HB2	5	0.33	0.14	0.34
(1,2969)	1:95:A:ALA:HB2	1:137:A:HIS:HB2	5	0.33	0.14	0.34
(1,2584)	1:57:A:LYS:H	1:57:A:LYS:HE3	5	0.32	0.31	0.18
(1,2994)	1:101:A:ALA:HB1	1:59:A:TYR:H	5	0.29	0.11	0.23
(1,2994)	1:101:A:ALA:HB2	1:59:A:TYR:H	5	0.29	0.11	0.23
(1,2994)	1:101:A:ALA:HB3	1:59:A:TYR:H	5	0.29	0.11	0.23
(1,550)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	5	0.25	0.09	0.24
(1,1114)	1:117:A:ARG:HD2	1:117:A:ARG:H	5	0.22	0.08	0.22
(1,2925)	1:85:A:VAL:HB	1:75:A:LYS:HG3	5	0.2	0.08	0.22
(1,661)	1:65:A:LYS:HA	1:65:A:LYS:HD2	5	0.2	0.05	0.2
(1,724)	1:69:A:GLU:HG2	1:65:A:LYS:HG2	5	0.2	0.09	0.15
(1,119)	1:69:A:GLU:HB2	1:69:A:GLU:HG2	5	0.2	0.01	0.19
(1,1320)	1:109:A:LEU:HD11	1:63:A:ASN:H	5	0.14	0.03	0.13
(1,1320)	1:109:A:LEU:HD13	1:63:A:ASN:H	5	0.14	0.03	0.13
(1,1320)	1:109:A:LEU:HD12	1:63:A:ASN:H	5	0.14	0.03	0.13
(1,570)	1:57:A:LYS:HG3	1:57:A:LYS:HE2	5	0.13	0.01	0.13
(1,3505)	1:130:A:LEU:H	1:126:A:TYR:HD1	5	0.13	0.02	0.13
(1,3505)	1:130:A:LEU:H	1:70:A:PHE:HE1	5	0.13	0.02	0.13
(1,1341)	1:111:A:ARG:HA	1:111:A:ARG:HG3	5	0.12	0.01	0.12
(1,133)	1:86:A:PRO:HG3	1:86:A:PRO:HB2	5	0.12	0.01	0.12
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD11	5	0.12	0.01	0.12
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD13	5	0.12	0.01	0.12
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD12	5	0.12	0.01	0.12
(1,933)	1:133:A:VAL:HG23	1:132:A:THR:HB	5	0.11	0.02	0.1
(1,933)	1:133:A:VAL:HG21	1:132:A:THR:HB	5	0.11	0.02	0.1
(1,933)	1:133:A:VAL:HG22	1:132:A:THR:HB	5	0.11	0.02	0.1
(1,1950)	1:64:A:GLU:HB3	1:64:A:GLU:H	5	0.1	0.0	0.1
(1,1655)	1:135:A:LYS:HD2	1:135:A:LYS:H	4	0.88	0.07	0.88
(1,1515)	1:125:A:VAL:HG12	1:122:A:LYS:HD3	4	0.72	0.28	0.86
(1,1515)	1:125:A:VAL:HG13	1:122:A:LYS:HD2	4	0.72	0.28	0.86
(1,1515)	1:125:A:VAL:HG11	1:122:A:LYS:HD3	4	0.72	0.28	0.86
(1,1515)	1:125:A:VAL:HG12	1:122:A:LYS:HD2	4	0.72	0.28	0.86
(1,3529)	1:136:A:ALA:H	1:135:A:LYS:HE3	4	0.56	0.3	0.59
(1,3529)	1:136:A:ALA:H	1:135:A:LYS:HE2	4	0.56	0.3	0.59
(1,1205)	1:101:A:ALA:HB3	1:60:A:LYS:HG3	4	0.54	0.11	0.5
(1,1205)	1:101:A:ALA:HB1	1:60:A:LYS:HG3	4	0.54	0.11	0.5
(1,1768)	1:64:A:GLU:HG2	1:60:A:LYS:HG2	4	0.53	0.6	0.19
(1,317)	1:111:A:ARG:HD2	1:111:A:ARG:HB3	4	0.46	0.01	0.46
(1,317)	1:111:A:ARG:HD2	1:111:A:ARG:HB2	4	0.46	0.01	0.46
(1,2861)	1:66:A:LEU:HG	1:62:A:GLU:HG3	4	0.43	0.03	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3252)	1:64:A:GLU:H	1:60:A:LYS:HG2	4	0.43	0.06	0.43
(1,3252)	1:64:A:GLU:H	1:105:A:PHE:HB3	4	0.43	0.06	0.43
(1,928)	1:84:A:VAL:HG22	1:124:A:TYR:HD1	4	0.35	0.03	0.36
(1,928)	1:84:A:VAL:HG21	1:124:A:TYR:HD1	4	0.35	0.03	0.36
(1,3218)	1:140:A:LYS:HG2	1:140:A:LYS:H	4	0.32	0.08	0.3
(1,3218)	1:140:A:LYS:HG3	1:140:A:LYS:H	4	0.32	0.08	0.3
(1,2653)	1:80:A:ASP:HB2	1:81:A:HIS:HD2	4	0.28	0.08	0.3
(1,2964)	1:94:A:ARG:HB3	1:91:A:ARG:HA	4	0.27	0.17	0.2
(1,3474)	1:125:A:VAL:HG21	1:124:A:TYR:H	4	0.27	0.04	0.28
(1,3474)	1:125:A:VAL:HG23	1:124:A:TYR:H	4	0.27	0.04	0.28
(1,3474)	1:125:A:VAL:HG22	1:124:A:TYR:H	4	0.27	0.04	0.28
(1,3075)	1:59:A:TYR:HA	1:59:A:TYR:HD2	4	0.24	0.08	0.24
(1,1880)	1:143:A:LEU:HG	1:143:A:LEU:H	4	0.24	0.09	0.24
(1,312)	1:117:A:ARG:HD3	1:117:A:ARG:HB2	4	0.22	0.06	0.23
(1,312)	1:117:A:ARG:HD2	1:117:A:ARG:HB3	4	0.22	0.06	0.23
(1,1677)	1:138:A:SER:HB2	1:138:A:SER:H	4	0.22	0.05	0.2
(1,428)	1:108:A:ILE:HD12	1:104:A:GLU:HG2	4	0.22	0.07	0.24
(1,428)	1:108:A:ILE:HD13	1:104:A:GLU:HG2	4	0.22	0.07	0.24
(1,3054)	1:123:A:LEU:HA	1:70:A:PHE:HZ	4	0.2	0.11	0.16
(1,3054)	1:123:A:LEU:HA	1:126:A:TYR:HE2	4	0.2	0.11	0.16
(1,3151)	1:116:A:ALA:HB1	1:123:A:LEU:HD12	4	0.18	0.06	0.18
(1,3151)	1:116:A:ALA:HB2	1:123:A:LEU:HD12	4	0.18	0.06	0.18
(1,3151)	1:116:A:ALA:HB1	1:123:A:LEU:HD11	4	0.18	0.06	0.18
(1,560)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	4	0.18	0.1	0.12
(1,641)	1:62:A:GLU:HG2	1:63:A:ASN:H	4	0.16	0.03	0.17
(1,638)	1:62:A:GLU:HG3	1:62:A:GLU:HA	4	0.16	0.01	0.16
(1,1122)	1:134:A:LEU:HA	1:95:A:ALA:HB1	4	0.16	0.05	0.14
(1,1122)	1:134:A:LEU:HA	1:95:A:ALA:HB2	4	0.16	0.05	0.14
(1,2868)	1:72:A:GLU:HG2	1:71:A:LEU:HB2	4	0.16	0.03	0.16
(1,658)	1:64:A:GLU:HG2	1:65:A:LYS:H	4	0.15	0.03	0.16
(1,283)	1:130:A:LEU:HD11	1:133:A:VAL:HG11	4	0.15	0.03	0.15
(1,283)	1:130:A:LEU:HD12	1:133:A:VAL:HG13	4	0.15	0.03	0.15
(1,283)	1:130:A:LEU:HD11	1:133:A:VAL:HG12	4	0.15	0.03	0.15
(1,283)	1:130:A:LEU:HD13	1:133:A:VAL:HG13	4	0.15	0.03	0.15
(1,2983)	1:100:A:LEU:HD13	1:95:A:ALA:HA	4	0.15	0.02	0.15
(1,2983)	1:100:A:LEU:HD12	1:95:A:ALA:HA	4	0.15	0.02	0.15
(1,1674)	1:138:A:SER:HB2	1:139:A:ALA:H	4	0.15	0.03	0.14
(1,2873)	1:71:A:LEU:HB3	1:75:A:LYS:HE2	4	0.15	0.03	0.13
(1,3509)	1:88:A:LEU:HD21	1:130:A:LEU:H	4	0.14	0.03	0.14
(1,3509)	1:88:A:LEU:HD23	1:130:A:LEU:H	4	0.14	0.03	0.14
(1,3509)	1:88:A:LEU:HD22	1:130:A:LEU:H	4	0.14	0.03	0.14
(1,1773)	1:106:A:CYS:HB3	1:59:A:TYR:HB2	4	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,298)	1:101:A:ALA:HB3	1:101:A:ALA:H	4	0.13	0.03	0.12
(1,298)	1:101:A:ALA:HB2	1:101:A:ALA:H	4	0.13	0.03	0.12
(1,298)	1:101:A:ALA:HB1	1:101:A:ALA:H	4	0.13	0.03	0.12
(1,592)	1:59:A:TYR:HB2	1:63:A:ASN:H	4	0.13	0.03	0.13
(1,2604)	1:139:A:ALA:HA	1:96:A:HIS:HD2	4	0.13	0.02	0.12
(1,403)	1:70:A:PHE:HA	1:70:A:PHE:HD2	4	0.12	0.02	0.12
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD23	4	0.12	0.01	0.12
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD22	4	0.12	0.01	0.12
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD21	4	0.12	0.01	0.12
(1,2780)	1:123:A:LEU:HD13	1:70:A:PHE:HE2	4	0.12	0.01	0.12
(1,2780)	1:123:A:LEU:HD13	1:126:A:TYR:HD2	4	0.12	0.01	0.12
(1,2780)	1:123:A:LEU:HD12	1:126:A:TYR:HD2	4	0.12	0.01	0.12
(1,334)	1:84:A:VAL:HA	1:87:A:PHE:HB2	4	0.12	0.0	0.12
(1,2446)	1:128:A:ASN:H	1:128:A:ASN:HD21	4	0.11	0.0	0.11
(1,660)	1:64:A:GLU:HG2	1:64:A:GLU:H	4	0.11	0.01	0.11
(1,3063)	1:124:A:TYR:HA	1:127:A:ILE:HG13	4	0.11	0.01	0.11
(1,2187)	1:93:A:GLN:H	1:94:A:ARG:HB3	3	1.17	0.01	1.17
(1,1148)	1:98:A:LEU:HD11	1:96:A:HIS:HD2	3	1.0	1.2	0.19
(1,1148)	1:98:A:LEU:HD12	1:96:A:HIS:HD2	3	1.0	1.2	0.19
(1,1105)	1:91:A:ARG:HA	1:94:A:ARG:HG2	3	0.95	0.16	0.84
(1,1770)	1:64:A:GLU:HG2	1:60:A:LYS:HE3	3	0.92	0.15	0.93
(1,777)	1:72:A:GLU:HG2	1:71:A:LEU:H	3	0.81	0.08	0.85
(1,2914)	1:84:A:VAL:HG23	1:87:A:PHE:HD1	3	0.79	0.09	0.77
(1,2914)	1:84:A:VAL:HG22	1:87:A:PHE:HD1	3	0.79	0.09	0.77
(1,2018)	1:72:A:GLU:HG2	1:73:A:LEU:H	3	0.69	0.04	0.69
(1,1520)	1:125:A:VAL:HG22	1:122:A:LYS:HD2	3	0.58	0.15	0.5
(1,1520)	1:125:A:VAL:HG23	1:122:A:LYS:HD2	3	0.58	0.15	0.5
(1,770)	1:72:A:GLU:HG2	1:72:A:GLU:HB2	3	0.56	0.01	0.56
(1,551)	1:117:A:ARG:HA	1:117:A:ARG:HG3	3	0.54	0.22	0.69
(1,2401)	1:122:A:LYS:HG2	1:122:A:LYS:H	3	0.51	0.08	0.47
(1,911)	1:84:A:VAL:HA	1:87:A:PHE:HD2	3	0.49	0.03	0.48
(1,911)	1:84:A:VAL:HA	1:87:A:PHE:HD1	3	0.49	0.03	0.48
(1,2203)	1:94:A:ARG:HB3	1:94:A:ARG:H	3	0.42	0.0	0.42
(1,1850)	1:95:A:ALA:H	1:94:A:ARG:HG3	3	0.34	0.01	0.35
(1,1467)	1:122:A:LYS:HE2	1:122:A:LYS:HG3	3	0.34	0.25	0.2
(1,2835)	1:76:A:MET:HB3	1:77:A:GLN:HE21	3	0.33	0.13	0.39
(1,2835)	1:76:A:MET:HB3	1:76:A:MET:H	3	0.33	0.13	0.39
(1,1681)	1:138:A:SER:HB2	1:141:A:LYS:HD3	3	0.31	0.13	0.35
(1,1681)	1:138:A:SER:HB2	1:141:A:LYS:HD2	3	0.31	0.13	0.35
(1,1469)	1:122:A:LYS:HG2	1:119:A:ARG:HB3	3	0.28	0.03	0.3
(1,2824)	1:123:A:LEU:HA	1:123:A:LEU:HB3	3	0.27	0.0	0.27
(1,442)	1:72:A:GLU:HG2	1:72:A:GLU:H	3	0.26	0.04	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1200)	1:101:A:ALA:HA	1:60:A:LYS:HG3	3	0.25	0.02	0.25
(1,612)	1:60:A:LYS:HB2	1:61:A:LEU:H	3	0.24	0.02	0.25
(1,2310)	1:106:A:CYS:H	1:59:A:TYR:HB3	3	0.24	0.12	0.22
(1,1742)	1:129:A:GLU:HG2	1:126:A:TYR:HD1	3	0.23	0.01	0.22
(1,255)	1:100:A:LEU:HD23	1:134:A:LEU:HD22	3	0.21	0.04	0.23
(1,255)	1:100:A:LEU:HD22	1:134:A:LEU:HD23	3	0.21	0.04	0.23
(1,256)	1:100:A:LEU:HD23	1:105:A:PHE:HE2	3	0.2	0.08	0.14
(1,256)	1:100:A:LEU:HD21	1:105:A:PHE:HE2	3	0.2	0.08	0.14
(1,976)	1:87:A:PHE:HA	1:87:A:PHE:HD1	3	0.18	0.02	0.18
(1,1509)	1:125:A:VAL:HG13	1:126:A:TYR:HE1	3	0.18	0.05	0.19
(1,1509)	1:125:A:VAL:HG11	1:126:A:TYR:HE1	3	0.18	0.05	0.19
(1,1759)	1:123:A:LEU:HD12	1:77:A:GLN:HG3	3	0.18	0.05	0.16
(1,475)	1:91:A:ARG:HA	1:91:A:ARG:HD2	3	0.17	0.1	0.11
(1,1104)	1:94:A:ARG:HD2	1:94:A:ARG:HB2	3	0.17	0.0	0.17
(1,3046)	1:120:A:PRO:HA	1:116:A:ALA:HB1	3	0.17	0.06	0.13
(1,3046)	1:120:A:PRO:HA	1:123:A:LEU:HB3	3	0.17	0.06	0.13
(1,3167)	1:106:A:CYS:HB3	1:59:A:TYR:HA	3	0.16	0.03	0.18
(1,3167)	1:106:A:CYS:HB3	1:102:A:SER:HA	3	0.16	0.03	0.18
(1,1390)	1:115:A:ARG:HD2	1:126:A:TYR:HE1	3	0.16	0.05	0.15
(1,2423)	1:125:A:VAL:H	1:124:A:TYR:HD2	3	0.16	0.01	0.16
(1,2423)	1:125:A:VAL:H	1:124:A:TYR:HD1	3	0.16	0.01	0.16
(1,1077)	1:91:A:ARG:HD2	1:134:A:LEU:HB3	3	0.16	0.04	0.14
(1,719)	1:129:A:GLU:HG2	1:126:A:TYR:HA	3	0.15	0.02	0.16
(1,2185)	1:93:A:GLN:H	1:92:A:GLN:HB2	3	0.14	0.01	0.14
(1,2288)	1:104:A:GLU:H	1:102:A:SER:HA	3	0.14	0.02	0.14
(1,310)	1:95:A:ALA:HB1	1:100:A:LEU:HG	3	0.14	0.02	0.14
(1,310)	1:95:A:ALA:HB2	1:100:A:LEU:HG	3	0.14	0.02	0.14
(1,310)	1:95:A:ALA:HB3	1:100:A:LEU:HG	3	0.14	0.02	0.14
(1,610)	1:60:A:LYS:HB2	1:60:A:LYS:H	3	0.14	0.02	0.14
(1,664)	1:65:A:LYS:HA	1:68:A:GLU:H	3	0.14	0.0	0.14
(1,1120)	1:95:A:ALA:HA	1:138:A:SER:HB3	3	0.13	0.02	0.13
(1,1378)	1:114:A:SER:HA	1:117:A:ARG:HB2	3	0.13	0.02	0.12
(1,1746)	1:112:A:VAL:HG13	1:129:A:GLU:HG2	3	0.12	0.0	0.12
(1,1746)	1:112:A:VAL:HG11	1:129:A:GLU:HG2	3	0.12	0.0	0.12
(1,2234)	1:99:A:PHE:H	1:99:A:PHE:HD1	3	0.12	0.02	0.11
(1,528)	1:94:A:ARG:HA	1:94:A:ARG:HB2	3	0.12	0.0	0.12
(1,399)	1:107:A:ASN:HB3	1:107:A:ASN:H	3	0.11	0.01	0.11
(1,1807)	1:68:A:GLU:H	1:68:A:GLU:HB2	3	0.11	0.0	0.11
(1,2349)	1:109:A:LEU:HD11	1:109:A:LEU:H	3	0.11	0.01	0.1
(1,2349)	1:109:A:LEU:HD13	1:109:A:LEU:H	3	0.11	0.01	0.1
(1,596)	1:60:A:LYS:HA	1:63:A:ASN:HB3	3	0.1	0.0	0.1
(1,2923)	1:85:A:VAL:HA	1:86:A:PRO:HD3	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)
(1,1649)	1:135:A:LYS:HG2	1:135:A:LYS:HA	2	1.14	0.03	1.14
(1,95)	1:134:A:LEU:HD22	1:92:A:GLN:HG2	2	0.92	0.02	0.92
(1,95)	1:134:A:LEU:HD21	1:92:A:GLN:HG2	2	0.92	0.02	0.92
(1,1100)	1:92:A:GLN:HG3	1:67:A:PHE:HZ	2	0.9	0.01	0.9
(1,2962)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	2	0.82	0.08	0.82
(1,2962)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	2	0.82	0.08	0.82
(1,1652)	1:135:A:LYS:HB3	1:135:A:LYS:HE2	2	0.8	0.18	0.8
(1,1194)	1:92:A:GLN:HG2	1:100:A:LEU:HD23	2	0.75	0.03	0.75
(1,1087)	1:92:A:GLN:HA	1:92:A:GLN:HG2	2	0.5	0.01	0.5
(1,558)	1:57:A:LYS:HA	1:57:A:LYS:HG2	2	0.48	0.01	0.48
(1,566)	1:57:A:LYS:HD2	1:59:A:TYR:HE1	2	0.45	0.19	0.45
(1,566)	1:57:A:LYS:HD2	1:59:A:TYR:HE2	2	0.45	0.19	0.45
(1,1642)	1:134:A:LEU:HD22	1:92:A:GLN:H	2	0.44	0.01	0.44
(1,1642)	1:134:A:LEU:HD21	1:92:A:GLN:H	2	0.44	0.01	0.44
(1,1428)	1:119:A:ARG:HD2	1:122:A:LYS:HG2	2	0.43	0.23	0.43
(1,2161)	1:91:A:ARG:H	1:134:A:LEU:HD22	2	0.37	0.0	0.37
(1,2161)	1:91:A:ARG:H	1:134:A:LEU:HD21	2	0.37	0.0	0.37
(1,1108)	1:94:A:ARG:HG2	1:93:A:GLN:H	2	0.35	0.02	0.35
(1,313)	1:91:A:ARG:HD3	1:91:A:ARG:HA	2	0.34	0.08	0.34
(1,3138)	1:141:A:LYS:HG3	1:138:A:SER:HB2	2	0.34	0.11	0.34
(1,3354)	1:90:A:ASN:HD21	1:94:A:ARG:HB3	2	0.34	0.24	0.34
(1,1075)	1:91:A:ARG:HB2	1:91:A:ARG:HD2	2	0.28	0.01	0.28
(1,1099)	1:92:A:GLN:HG2	1:105:A:PHE:HE2	2	0.26	0.01	0.26
(1,2499)	1:134:A:LEU:H	1:91:A:ARG:HB2	2	0.25	0.0	0.25
(1,2090)	1:81:A:HIS:H	1:84:A:VAL:HG22	2	0.24	0.05	0.24
(1,2963)	1:92:A:GLN:HG3	1:105:A:PHE:HE2	2	0.23	0.02	0.23
(1,775)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	2	0.22	0.08	0.22
(1,2627)	1:105:A:PHE:HD1	1:99:A:PHE:HE2	2	0.22	0.02	0.22
(1,1701)	1:61:A:LEU:HA	1:60:A:LYS:HD2	2	0.2	0.01	0.2
(1,395)	1:127:A:ILE:HD11	1:123:A:LEU:HD11	2	0.19	0.07	0.19
(1,395)	1:127:A:ILE:HD12	1:123:A:LEU:HD13	2	0.19	0.07	0.19
(1,1263)	1:106:A:CYS:HB2	1:59:A:TYR:HB3	2	0.19	0.03	0.19
(1,2169)	1:92:A:GLN:H	1:92:A:GLN:HG2	2	0.19	0.0	0.19
(1,2550)	1:144:A:ASN:H	1:142:A:LYS:HG2	2	0.18	0.04	0.18
(1,3256)	1:66:A:LEU:H	1:69:A:GLU:HB2	2	0.16	0.01	0.16
(1,3256)	1:66:A:LEU:H	1:64:A:GLU:HB2	2	0.16	0.01	0.16
(1,2993)	1:101:A:ALA:HA	1:60:A:LYS:HG2	2	0.16	0.02	0.16
(1,218)	1:109:A:LEU:HD22	1:67:A:PHE:HD1	2	0.16	0.02	0.16
(1,218)	1:109:A:LEU:HD21	1:67:A:PHE:HD1	2	0.16	0.02	0.16
(1,305)	1:100:A:LEU:HD12	1:95:A:ALA:HB3	2	0.16	0.01	0.16
(1,305)	1:100:A:LEU:HD13	1:95:A:ALA:HB3	2	0.16	0.01	0.16
(1,1232)	1:104:A:GLU:HB2	1:102:A:SER:HB2	2	0.15	0.01	0.15

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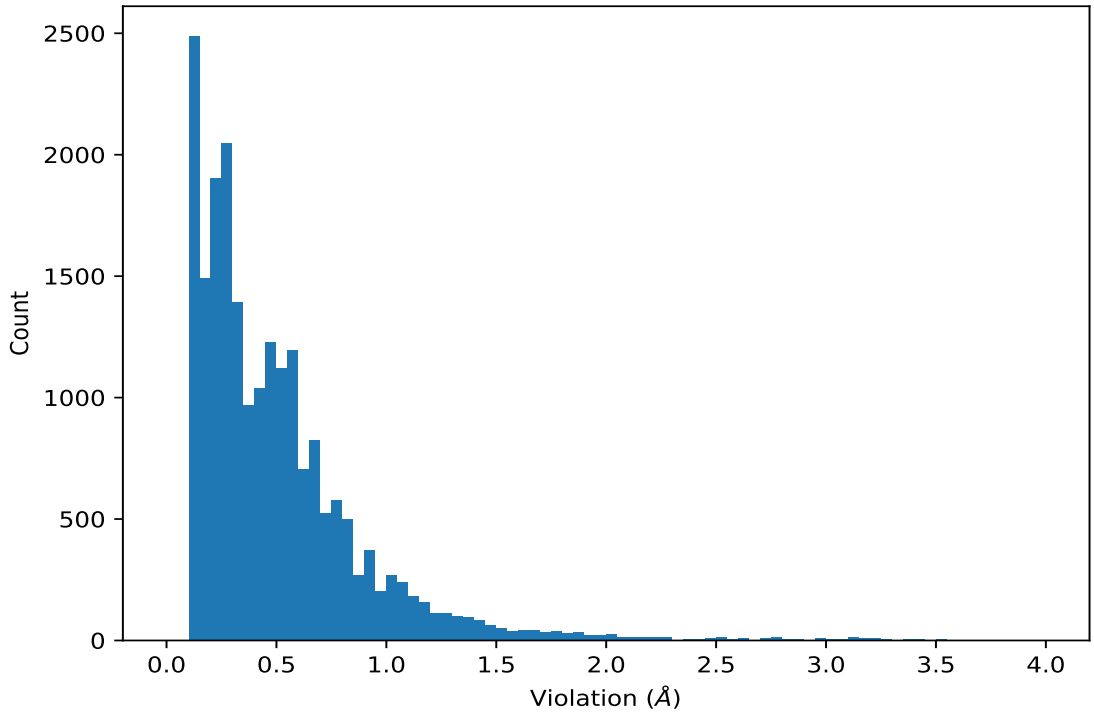
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1431)	1:119:A:ARG:HD2	1:119:A:ARG:HA	2	0.15	0.02	0.15
(1,1828)	1:113:A:LEU:HD22	1:69:A:GLU:H	2	0.15	0.04	0.15
(1,1828)	1:113:A:LEU:HD21	1:69:A:GLU:H	2	0.15	0.04	0.15
(1,2777)	1:130:A:LEU:HD11	1:133:A:VAL:HG23	2	0.14	0.02	0.14
(1,2777)	1:130:A:LEU:HD11	1:133:A:VAL:HG12	2	0.14	0.02	0.14
(1,1439)	1:120:A:PRO:HA	1:126:A:TYR:HD2	2	0.14	0.01	0.14
(1,2543)	1:143:A:LEU:H	1:144:A:ASN:H	2	0.14	0.02	0.14
(1,2889)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	2	0.14	0.02	0.14
(1,2889)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	2	0.14	0.02	0.14
(1,3021)	1:112:A:VAL:HA	1:126:A:TYR:HE1	2	0.14	0.01	0.14
(1,1020)	1:88:A:LEU:HD21	1:70:A:PHE:HD1	2	0.13	0.03	0.13
(1,1020)	1:88:A:LEU:HD22	1:70:A:PHE:HD1	2	0.13	0.03	0.13
(1,1550)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	2	0.13	0.02	0.13
(1,1550)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	2	0.13	0.02	0.13
(1,2174)	1:92:A:GLN:HE21	1:105:A:PHE:HE2	2	0.13	0.01	0.13
(1,2836)	1:142:A:LYS:HB3	1:142:A:LYS:HA	2	0.13	0.01	0.13
(1,2836)	1:140:A:LYS:HB3	1:140:A:LYS:HA	2	0.13	0.01	0.13
(1,715)	1:68:A:GLU:HG3	1:69:A:GLU:H	2	0.12	0.01	0.12
(1,3515)	1:131:A:CYS:H	1:133:A:VAL:HG23	2	0.12	0.02	0.12
(1,3515)	1:131:A:CYS:H	1:133:A:VAL:HG22	2	0.12	0.02	0.12
(1,1968)	1:66:A:LEU:HD11	1:66:A:LEU:H	2	0.12	0.02	0.12
(1,1968)	1:66:A:LEU:HD12	1:66:A:LEU:H	2	0.12	0.02	0.12
(1,1997)	1:88:A:LEU:H	1:87:A:PHE:HD1	2	0.12	0.02	0.12
(1,2141)	1:90:A:ASN:HD21	1:92:A:GLN:H	2	0.12	0.02	0.12
(1,90)	1:88:A:LEU:HD12	1:127:A:ILE:HD12	2	0.11	0.01	0.11
(1,90)	1:88:A:LEU:HD11	1:127:A:ILE:HD13	2	0.11	0.01	0.11
(1,965)	1:86:A:PRO:HG3	1:85:A:VAL:H	2	0.11	0.01	0.11
(1,1684)	1:139:A:ALA:HA	1:96:A:HIS:H	2	0.11	0.0	0.11
(1,3006)	1:108:A:ILE:HG23	1:133:A:VAL:HA	2	0.11	0.0	0.11
(1,3006)	1:108:A:ILE:HG21	1:133:A:VAL:HA	2	0.11	0.0	0.11
(1,1349)	1:112:A:VAL:HA	1:111:A:ARG:H	2	0.1	0.0	0.1
(1,2834)	1:133:A:VAL:HG23	1:130:A:LEU:HA	2	0.1	0.0	0.1
(1,2834)	1:133:A:VAL:HG21	1:130:A:LEU:HA	2	0.1	0.0	0.1
(1,3386)	1:95:A:ALA:H	1:94:A:ARG:HB2	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	3	3.97
(1,2606)	1:103:A:ALA:HB1	1:59:A:TYR:HE1	12	3.96
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	16	3.93
(1,2606)	1:103:A:ALA:HB3	1:59:A:TYR:HE1	25	3.86
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	16	3.85
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	3	3.85
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	12	3.82
(1,2606)	1:103:A:ALA:HB1	1:59:A:TYR:HE1	20	3.8
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	25	3.76
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	18	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	20	3.64
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	18	3.64
(1,2606)	1:103:A:ALA:HB3	1:59:A:TYR:HE1	18	3.56
(1,2695)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	12	3.55
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	15	3.55
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	12	3.53
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	13	3.52
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	3	3.51
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	18	3.51
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	20	3.47
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	13	3.44
(1,2606)	1:103:A:ALA:HB1	1:59:A:TYR:HE1	13	3.44
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	18	3.43
(1,2695)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	3	3.42
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	25	3.39
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	15	3.39
(1,2695)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	25	3.38
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	20	3.38
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	19	3.37
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	21	3.37
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	20	3.36
(1,2695)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	20	3.33
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	21	3.32
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	16	3.32
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	1	3.3
(1,2695)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	18	3.27
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	19	3.26
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	13	3.25
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	5	3.25
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	25	3.25
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	17	3.24
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	22	3.24
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	18	3.24
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	12	3.23
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	1	3.22
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	8	3.22
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	15	3.22
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	8	3.21
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	14	3.2
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	22	3.2
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	18	3.19
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	1	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	21	3.19
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	4	3.18
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	10	3.18
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	3	3.18
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	3	3.17
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	22	3.17
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	14	3.16
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	8	3.15
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	11	3.15
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	11	3.14
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	13	3.13
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	16	3.12
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	5	3.12
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	10	3.12
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	20	3.12
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	13	3.11
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	23	3.11
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	12	3.11
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	19	3.11
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	6	3.1
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	23	3.1
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	2	3.09
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	12	3.08
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	6	3.08
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	17	3.08
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	24	3.08
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	4	3.06
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	9	3.06
(1,2695)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	13	3.04
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	2	3.04
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	14	3.04
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	10	3.03
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	11	3.03
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	4	3.03
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	3	3.02
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	16	3.0
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	24	2.99
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	25	2.99
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	17	2.98
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	18	2.98
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	16	2.97
(1,2594)	1:123:A:LEU:HD11	1:126:A:TYR:HD1	7	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	19	2.96
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	13	2.96
(1,2594)	1:123:A:LEU:HD12	1:126:A:TYR:HD1	3	2.96
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	5	2.95
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	9	2.94
(1,2594)	1:123:A:LEU:HD13	1:126:A:TYR:HD1	25	2.91
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	19	2.9
(1,2857)	1:65:A:LYS:HA	1:66:A:LEU:HD11	21	2.89
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	1	2.89
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	1	2.88
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	23	2.88
(1,2613)	1:116:A:ALA:HA	1:126:A:TYR:HE1	7	2.87
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	21	2.85
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	7	2.84
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	15	2.84
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	25	2.83
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	22	2.83
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	2	2.81
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	24	2.81
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	20	2.81
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	20	2.8
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	8	2.8
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	11	2.8
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	23	2.8
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	24	2.8
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	15	2.79
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	21	2.79
(1,2659)	1:116:A:ALA:HB2	1:126:A:TYR:HD1	16	2.78
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	13	2.78
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	14	2.78
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	5	2.77
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	10	2.77
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	18	2.76
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	6	2.76
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	17	2.76
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	9	2.74
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	22	2.73
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	12	2.73
(1,2976)	1:98:A:LEU:HD11	1:102:A:SER:HB2	16	2.71
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	19	2.71
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	7	2.71
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	12	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2659)	1:116:A:ALA:HB2	1:126:A:TYR:HD1	25	2.7
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	2	2.7
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	3	2.7
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	6	2.7
(1,1148)	1:98:A:LEU:HD11	1:96:A:HIS:HD2	16	2.7
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	23	2.69
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	4	2.69
(1,2591)	1:123:A:LEU:HA	1:126:A:TYR:HD1	25	2.65
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	15	2.64
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	6	2.63
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	21	2.63
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	13	2.63
(1,2611)	1:119:A:ARG:H	1:126:A:TYR:HE1	9	2.63
(1,2659)	1:116:A:ALA:HB2	1:126:A:TYR:HD1	4	2.6
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	5	2.6
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	17	2.6
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	17	2.59
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	25	2.59
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	8	2.58
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	13	2.57
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	10	2.57
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	13	2.56
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	7	2.56
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	20	2.55
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	4	2.55
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	11	2.55
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	1	2.54
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	2	2.54
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	10	2.54
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	4	2.53
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	22	2.53
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	5	2.53
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	24	2.53
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	14	2.52
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	14	2.52
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	21	2.51
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	3	2.51
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	9	2.51
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	12	2.51
(1,2659)	1:116:A:ALA:HB2	1:126:A:TYR:HD1	11	2.49
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	19	2.49
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	3	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	9	2.46
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	19	2.46
(1,2659)	1:116:A:ALA:HB1	1:126:A:TYR:HD1	23	2.46
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	8	2.45
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	2	2.45
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	16	2.45
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	14	2.43
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	13	2.43
(1,2612)	1:122:A:LYS:H	1:126:A:TYR:HE1	6	2.42
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	18	2.41
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	11	2.41
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	15	2.41
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	3	2.37
(1,2659)	1:116:A:ALA:HB2	1:126:A:TYR:HD1	7	2.37
(1,2659)	1:116:A:ALA:HB3	1:126:A:TYR:HD1	24	2.37
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	21	2.37
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	24	2.35
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	1	2.32
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	1	2.31
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	3	2.3
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	22	2.29
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	8	2.29
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	22	2.29
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	19	2.28
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	20	2.27
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	6	2.26
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	7	2.26
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	6	2.26
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	1	2.25
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	19	2.25
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	3	2.25
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	24	2.25
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	7	2.24
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	19	2.24
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	10	2.23
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD22	13	2.23
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	23	2.23
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	2	2.22
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	12	2.22
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	14	2.22
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	20	2.21
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	9	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	9	2.2
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	5	2.2
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	22	2.2
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	8	2.19
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	18	2.18
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	21	2.18
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	20	2.18
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	11	2.18
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD22	15	2.18
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	20	2.18
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	25	2.17
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	11	2.17
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	4	2.17
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	12	2.16
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	15	2.16
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	16	2.16
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	17	2.16
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	19	2.16
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD21	21	2.15
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	1	2.14
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	9	2.13
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD22	18	2.13
(1,700)	1:66:A:LEU:HD21	1:65:A:LYS:HE2	25	2.13
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	18	2.12
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	6	2.12
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	18	2.12
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	5	2.12
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	18	2.12
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	20	2.11
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	17	2.11
(1,1023)	1:87:A:PHE:HB2	1:88:A:LEU:HD23	25	2.11
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	15	2.1
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	10	2.1
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	12	2.09
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	1	2.09
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	15	2.09
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	3	2.08
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	4	2.08
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	20	2.07
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	25	2.07
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	5	2.07
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	22	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	12	2.07
(1,700)	1:66:A:LEU:HD23	1:65:A:LYS:HE2	19	2.07
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	11	2.06
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	4	2.06
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	5	2.06
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	14	2.06
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	20	2.06
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG22	18	2.05
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	14	2.05
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	11	2.05
(1,700)	1:66:A:LEU:HD23	1:65:A:LYS:HE2	6	2.05
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	17	2.04
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	14	2.04
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	21	2.04
(1,2937)	1:87:A:PHE:HB2	1:88:A:LEU:HD11	18	2.03
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	16	2.03
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	1	2.03
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	19	2.03
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	12	2.03
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	22	2.03
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	7	2.02
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	8	2.02
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	12	2.02
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	10	2.01
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	11	2.01
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	19	2.01
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	17	2.01
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	6	2.0
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	15	2.0
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	25	2.0
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	3	2.0
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	16	2.0
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	23	2.0
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	2	1.99
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	18	1.99
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	18	1.99
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	24	1.99
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	21	1.99
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	6	1.98
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	25	1.98
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	8	1.98
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	7	1.98
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	5	1.97
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG22	12	1.97
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	8	1.97
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	25	1.97
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	7	1.97
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	23	1.96
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	5	1.96
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	17	1.96
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	2	1.96
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	8	1.96
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	14	1.96
(1,177)	1:73:A:LEU:HD12	1:73:A:LEU:HA	19	1.96
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	2	1.95
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	13	1.95
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	22	1.95
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	4	1.95
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	6	1.95
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	9	1.95
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	1	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	2	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	13	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	14	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	19	1.94
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG22	16	1.93
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	19	1.93
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	11	1.93
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	10	1.93
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	4	1.92
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	24	1.92
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	12	1.92
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	17	1.91
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG22	9	1.91
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	13	1.91
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	6	1.91
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	23	1.91
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	16	1.9
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	10	1.9
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	22	1.9
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	13	1.9
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	15	1.9
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	8	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	12	1.89
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	22	1.89
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	20	1.89
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	1	1.89
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	7	1.89
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	16	1.89
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	22	1.89
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	13	1.89
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	21	1.88
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	21	1.88
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	6	1.88
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	8	1.88
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	16	1.88
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	19	1.88
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	25	1.88
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	13	1.87
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	4	1.87
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	1	1.87
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	7	1.87
(1,2901)	1:77:A:GLN:HG2	1:123:A:LEU:HD12	19	1.86
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	10	1.86
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	11	1.86
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	20	1.86
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	21	1.86
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	21	1.85
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	24	1.85
(1,2614)	1:119:A:ARG:HB2	1:126:A:TYR:HE1	2	1.85
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	6	1.85
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	25	1.85
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	5	1.85
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	21	1.84
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	4	1.84
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	12	1.84
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	13	1.84
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	15	1.84
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	3	1.84
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	4	1.84
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	2	1.83
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	3	1.83
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	5	1.83
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	8	1.83
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	4	1.82
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	19	1.82
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	23	1.82
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	4	1.82
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	15	1.81
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	20	1.81
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	25	1.81
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	13	1.81
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	14	1.81
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	24	1.81
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	11	1.81
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	5	1.8
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	20	1.8
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	7	1.8
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	12	1.8
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	16	1.8
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	23	1.8
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	3	1.79
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	3	1.79
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	14	1.79
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	17	1.79
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	23	1.79
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	7	1.79
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	14	1.79
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	18	1.78
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	3	1.78
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	3	1.78
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	8	1.78
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	14	1.78
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	4	1.78
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	25	1.78
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	1	1.77
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	14	1.77
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	9	1.77
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	7	1.77
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	24	1.77
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	21	1.77
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	10	1.77
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	17	1.76
(1,2268)	1:102:A:SER:H	1:96:A:HIS:HB2	18	1.76
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	23	1.76
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	25	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	1	1.76
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	6	1.76
(1,3102)	1:130:A:LEU:HD22	1:70:A:PHE:H	11	1.75
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	3	1.75
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	4	1.75
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	24	1.75
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	24	1.75
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	15	1.75
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	6	1.75
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	11	1.75
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	13	1.75
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	16	1.75
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	24	1.75
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	8	1.75
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	20	1.75
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	7	1.74
(1,3102)	1:130:A:LEU:HD21	1:70:A:PHE:H	21	1.74
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	1	1.74
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	10	1.74
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	1	1.74
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	4	1.74
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	10	1.74
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	15	1.73
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	15	1.73
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	23	1.73
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	16	1.73
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	2	1.73
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	3	1.73
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	5	1.73
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	22	1.73
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	24	1.73
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	9	1.72
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	15	1.72
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	8	1.72
(1,3102)	1:130:A:LEU:HD22	1:112:A:VAL:H	12	1.72
(1,3102)	1:130:A:LEU:HD21	1:70:A:PHE:H	14	1.72
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	1	1.72
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	9	1.72
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	18	1.72
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	20	1.72
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	17	1.72
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	21	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3102)	1:130:A:LEU:HD23	1:70:A:PHE:H	23	1.71
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	11	1.71
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	18	1.71
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	12	1.71
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	24	1.71
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	11	1.71
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	13	1.71
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	24	1.71
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	19	1.71
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	11	1.7
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	12	1.7
(1,3102)	1:130:A:LEU:HD21	1:112:A:VAL:H	20	1.7
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	24	1.7
(1,2888)	1:73:A:LEU:HD23	1:74:A:CYS:HB2	19	1.7
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	2	1.7
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	13	1.7
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	7	1.7
(1,2600)	1:98:A:LEU:HD12	1:96:A:HIS:HE1	16	1.7
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD2	13	1.7
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	16	1.7
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	14	1.7
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	13	1.7
(1,3102)	1:130:A:LEU:HD21	1:70:A:PHE:H	17	1.69
(1,3102)	1:130:A:LEU:HD22	1:112:A:VAL:H	25	1.69
(1,2971)	1:95:A:ALA:HB2	1:92:A:GLN:HE21	11	1.69
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	22	1.69
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	8	1.69
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	9	1.69
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	12	1.69
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	15	1.69
(1,942)	1:85:A:VAL:HB	1:89:A:TYR:HB3	17	1.69
(1,3102)	1:130:A:LEU:HD21	1:112:A:VAL:H	16	1.68
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	8	1.68
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	25	1.68
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	21	1.68
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	10	1.68
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	2	1.68
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	25	1.68
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	19	1.68
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	4	1.67
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	5	1.67
(1,3102)	1:130:A:LEU:HD23	1:70:A:PHE:H	9	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3102)	1:130:A:LEU:HD22	1:112:A:VAL:H	18	1.67
(1,3102)	1:130:A:LEU:HD22	1:70:A:PHE:H	22	1.67
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	6	1.67
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	5	1.67
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	22	1.67
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	6	1.66
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	21	1.66
(1,3102)	1:130:A:LEU:HD21	1:112:A:VAL:H	6	1.66
(1,3102)	1:130:A:LEU:HD23	1:112:A:VAL:H	10	1.66
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	7	1.66
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	22	1.65
(1,2971)	1:95:A:ALA:HB2	1:92:A:GLN:HE21	21	1.65
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	22	1.65
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	15	1.65
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	3	1.65
(1,2610)	1:116:A:ALA:H	1:126:A:TYR:HE1	9	1.65
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	21	1.65
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	11	1.65
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	12	1.64
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	1	1.64
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	5	1.64
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	25	1.64
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	1	1.63
(1,3102)	1:130:A:LEU:HD22	1:112:A:VAL:H	2	1.63
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	1	1.63
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	2	1.63
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	9	1.63
(1,281)	1:112:A:VAL:HG13	1:130:A:LEU:HB3	22	1.63
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	20	1.62
(1,3117)	1:132:A:THR:HG22	1:128:A:ASN:HB3	19	1.62
(1,3102)	1:130:A:LEU:HD22	1:112:A:VAL:H	19	1.62
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	20	1.62
(1,2971)	1:95:A:ALA:HB2	1:92:A:GLN:HE21	17	1.62
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	19	1.62
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	21	1.62
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	23	1.62
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	12	1.62
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	15	1.62
(1,3102)	1:130:A:LEU:HD21	1:70:A:PHE:H	13	1.61
(1,2971)	1:95:A:ALA:HB1	1:99:A:PHE:HZ	14	1.61
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	20	1.61
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	3	1.61
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	18	1.61
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	12	1.61
(1,3102)	1:130:A:LEU:HD21	1:112:A:VAL:H	15	1.6
(1,2971)	1:95:A:ALA:HB1	1:99:A:PHE:HZ	2	1.6
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	9	1.6
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	19	1.6
(1,2684)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	12	1.6
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	1	1.6
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	24	1.6
(1,3073)	1:125:A:VAL:HG23	1:124:A:TYR:HB3	16	1.59
(1,2971)	1:95:A:ALA:HB3	1:92:A:GLN:HE21	6	1.59
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE22	19	1.59
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	5	1.59
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	7	1.59
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	24	1.59
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	12	1.59
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	13	1.59
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	1	1.58
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE21	9	1.58
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	23	1.58
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	25	1.58
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	3	1.58
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	2	1.58
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	6	1.58
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	17	1.58
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	11	1.57
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	15	1.57
(1,2976)	1:98:A:LEU:HD11	1:96:A:HIS:HA	21	1.57
(1,2971)	1:95:A:ALA:HB2	1:99:A:PHE:HZ	24	1.57
(1,2932)	1:88:A:LEU:HD13	1:130:A:LEU:H	10	1.57
(1,1768)	1:64:A:GLU:HG2	1:60:A:LYS:HG2	23	1.57
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	2	1.57
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	23	1.57
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	23	1.57
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	7	1.57
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	19	1.57
(1,3058)	1:123:A:LEU:HD22	1:126:A:TYR:HD2	20	1.56
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	19	1.56
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	6	1.56
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	4	1.56
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	5	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2971)	1:95:A:ALA:HB3	1:92:A:GLN:HE21	5	1.55
(1,2971)	1:95:A:ALA:HB3	1:99:A:PHE:HZ	15	1.55
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	4	1.55
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD2	25	1.55
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	11	1.55
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	19	1.55
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	11	1.55
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	19	1.55
(1,281)	1:112:A:VAL:HG11	1:130:A:LEU:HB3	2	1.55
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	5	1.54
(1,3117)	1:132:A:THR:HG23	1:128:A:ASN:HB3	22	1.54
(1,3058)	1:123:A:LEU:HD23	1:126:A:TYR:HD2	19	1.54
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	12	1.54
(1,2987)	1:100:A:LEU:HD21	1:105:A:PHE:HA	16	1.54
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	20	1.54
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	8	1.54
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	5	1.54
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	9	1.54
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	20	1.54
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	13	1.54
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	21	1.54
(1,3058)	1:123:A:LEU:HD22	1:126:A:TYR:HD2	22	1.53
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	4	1.53
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	5	1.53
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	22	1.53
(1,1738)	1:64:A:GLU:HG2	1:60:A:LYS:HD2	16	1.53
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	12	1.53
(1,700)	1:66:A:LEU:HD21	1:65:A:LYS:HE2	2	1.53
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	14	1.52
(1,3042)	1:118:A:SER:HA	1:117:A:ARG:HG3	17	1.52
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	18	1.52
(1,2987)	1:100:A:LEU:HD21	1:105:A:PHE:HA	22	1.52
(1,2971)	1:95:A:ALA:HB2	1:92:A:GLN:HE21	13	1.52
(1,2971)	1:95:A:ALA:HB2	1:99:A:PHE:HZ	23	1.52
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	23	1.52
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	2	1.52
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	18	1.52
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	2	1.52
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	15	1.52
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	12	1.52
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	7	1.51
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	22	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	9	1.51
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	20	1.51
(1,3120)	1:134:A:LEU:HD23	1:133:A:VAL:H	15	1.51
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	24	1.51
(1,2987)	1:100:A:LEU:HD22	1:99:A:PHE:HA	17	1.51
(1,2932)	1:88:A:LEU:HD12	1:130:A:LEU:H	12	1.51
(1,1738)	1:64:A:GLU:HG2	1:60:A:LYS:HD2	3	1.51
(1,1738)	1:64:A:GLU:HG2	1:60:A:LYS:HD2	15	1.51
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD13	22	1.51
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	18	1.5
(1,3058)	1:123:A:LEU:HD21	1:70:A:PHE:HE1	15	1.5
(1,2971)	1:95:A:ALA:HB3	1:92:A:GLN:HE21	4	1.5
(1,2971)	1:95:A:ALA:HB3	1:92:A:GLN:HE21	12	1.5
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE21	25	1.5
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	2	1.5
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	3	1.5
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	20	1.5
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	17	1.5
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	22	1.5
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	25	1.5
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	5	1.49
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	22	1.49
(1,3058)	1:123:A:LEU:HD21	1:70:A:PHE:HE1	16	1.49
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	4	1.49
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	6	1.49
(1,2987)	1:100:A:LEU:HD21	1:96:A:HIS:HA	5	1.49
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	7	1.49
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	1	1.49
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	24	1.49
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	11	1.49
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	13	1.49
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	4	1.49
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	6	1.49
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	11	1.49
(1,700)	1:66:A:LEU:HD21	1:65:A:LYS:HE2	20	1.49
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	20	1.48
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	4	1.48
(1,3120)	1:134:A:LEU:HD23	1:133:A:VAL:H	10	1.48
(1,3058)	1:123:A:LEU:HD22	1:126:A:TYR:HD2	12	1.48
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	3	1.48
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	8	1.48
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	15	1.48
(1,2971)	1:95:A:ALA:HB2	1:99:A:PHE:HZ	1	1.48
(1,2971)	1:95:A:ALA:HB1	1:99:A:PHE:HZ	20	1.48
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	11	1.48
(1,2696)	1:116:A:ALA:H	1:126:A:TYR:HD1	9	1.48
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	23	1.48
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	18	1.48
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	25	1.48
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	12	1.48
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	15	1.48
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	16	1.48
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	5	1.48
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	8	1.48
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	9	1.48
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	16	1.48
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	20	1.48
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	2	1.48
(1,281)	1:112:A:VAL:HG12	1:130:A:LEU:HB3	15	1.48
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	17	1.47
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	6	1.47
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	13	1.47
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	19	1.47
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	4	1.47
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	23	1.47
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD13	3	1.47
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	9	1.47
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	14	1.47
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	12	1.47
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	2	1.46
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	7	1.46
(1,2987)	1:100:A:LEU:HD22	1:99:A:PHE:HA	15	1.46
(1,2976)	1:98:A:LEU:HD11	1:96:A:HIS:HA	13	1.46
(1,2971)	1:95:A:ALA:HB2	1:99:A:PHE:HZ	16	1.46
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	7	1.46
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	9	1.46
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	13	1.46
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	3	1.46
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD11	1	1.46
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	22	1.46
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	11	1.46
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	19	1.46
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	14	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	15	1.46
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	25	1.45
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	11	1.45
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	6	1.45
(1,3120)	1:134:A:LEU:HD23	1:100:A:LEU:H	11	1.45
(1,2987)	1:100:A:LEU:HD21	1:99:A:PHE:HA	4	1.45
(1,2971)	1:95:A:ALA:HB3	1:99:A:PHE:HZ	3	1.45
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	16	1.45
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	12	1.45
(1,2887)	1:73:A:LEU:HD21	1:123:A:LEU:HB2	6	1.45
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	3	1.45
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	18	1.45
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	10	1.45
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	16	1.45
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	20	1.45
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	8	1.45
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	10	1.45
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	4	1.45
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	9	1.44
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	14	1.44
(1,3120)	1:134:A:LEU:HD22	1:133:A:VAL:H	16	1.44
(1,3120)	1:134:A:LEU:HD22	1:100:A:LEU:H	17	1.44
(1,3058)	1:123:A:LEU:HD21	1:126:A:TYR:HD2	5	1.44
(1,3058)	1:123:A:LEU:HD21	1:126:A:TYR:HD2	8	1.44
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	21	1.44
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	22	1.44
(1,2987)	1:100:A:LEU:HD23	1:99:A:PHE:HA	12	1.44
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	18	1.44
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	8	1.44
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	13	1.44
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	25	1.44
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	24	1.44
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	1	1.44
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	17	1.44
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	24	1.43
(1,3120)	1:134:A:LEU:HD23	1:100:A:LEU:H	14	1.43
(1,3117)	1:135:A:LYS:HE3	1:132:A:THR:HG23	16	1.43
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	11	1.43
(1,2987)	1:100:A:LEU:HD22	1:99:A:PHE:HA	8	1.43
(1,2932)	1:88:A:LEU:HD12	1:72:A:GLU:H	15	1.43
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	17	1.43
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	22	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	23	1.43
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	23	1.43
(1,2689)	1:103:A:ALA:HA	1:59:A:TYR:HD1	20	1.43
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	8	1.43
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	17	1.43
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	25	1.43
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	16	1.43
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	23	1.43
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	21	1.43
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	3	1.43
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	9	1.42
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	21	1.42
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB2	7	1.42
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	3	1.42
(1,2987)	1:100:A:LEU:HD21	1:105:A:PHE:HA	24	1.42
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB2	14	1.42
(1,2971)	1:95:A:ALA:HB2	1:99:A:PHE:HZ	10	1.42
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG23	25	1.42
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	4	1.42
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	23	1.42
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	14	1.42
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	14	1.42
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	18	1.42
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	21	1.41
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	3	1.41
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	12	1.41
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	16	1.41
(1,3157)	1:133:A:VAL:HG22	1:129:A:GLU:HG3	7	1.41
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	20	1.41
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	2	1.41
(1,3120)	1:134:A:LEU:HD22	1:100:A:LEU:H	1	1.41
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	23	1.41
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	17	1.41
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	10	1.41
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	25	1.41
(1,2976)	1:98:A:LEU:HD11	1:102:A:SER:HB3	7	1.41
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB2	20	1.41
(1,2932)	1:88:A:LEU:HD11	1:72:A:GLU:H	21	1.41
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	15	1.41
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	5	1.41
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	13	1.41
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	17	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG21	5	1.41
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	13	1.4
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	2	1.4
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	8	1.4
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	9	1.4
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	2	1.4
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	10	1.4
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	14	1.4
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	12	1.4
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	13	1.4
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	25	1.4
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	2	1.4
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	13	1.4
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	14	1.4
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	20	1.4
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD12	15	1.4
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	9	1.4
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	1	1.39
(1,3058)	1:123:A:LEU:HD22	1:126:A:TYR:HD2	6	1.39
(1,2987)	1:100:A:LEU:HD23	1:96:A:HIS:HA	3	1.39
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	6	1.39
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	25	1.39
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	15	1.39
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	10	1.39
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	16	1.39
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	12	1.39
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	8	1.39
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	22	1.39
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	8	1.39
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	19	1.39
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	24	1.39
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	24	1.39
(1,314)	1:94:A:ARG:HD2	1:94:A:ARG:HB3	25	1.39
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG23	8	1.39
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	14	1.39
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG22	20	1.39
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	11	1.38
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	12	1.38
(1,3120)	1:134:A:LEU:HD22	1:133:A:VAL:H	12	1.38
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	1	1.38
(1,2976)	1:98:A:LEU:HD12	1:102:A:SER:HB3	4	1.38
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	19	1.38
(1,1738)	1:64:A:GLU:HG2	1:60:A:LYS:HD2	9	1.38
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	4	1.38
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD23	16	1.38
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	14	1.38
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	21	1.38
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	2	1.38
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG21	6	1.38
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	1	1.37
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	1	1.37
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	1	1.37
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	4	1.37
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	5	1.37
(1,3120)	1:134:A:LEU:HD23	1:133:A:VAL:H	13	1.37
(1,3058)	1:123:A:LEU:HD21	1:70:A:PHE:HE1	7	1.37
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	3	1.37
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	24	1.37
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	11	1.37
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	12	1.37
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	15	1.37
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	23	1.37
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	1	1.37
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG21	3	1.37
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG23	12	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG21	15	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG21	16	1.37
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG22	17	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	18	1.37
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	22	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	23	1.37
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	24	1.37
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	23	1.36
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	25	1.36
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	3	1.36
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD23	22	1.36
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	7	1.36
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	13	1.36
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD11	19	1.36
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	17	1.36
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	15	1.36
(1,314)	1:94:A:ARG:HD2	1:94:A:ARG:HB3	20	1.36
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG23	1	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG21	4	1.36
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG23	10	1.36
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG23	11	1.36
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG23	21	1.36
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	10	1.35
(1,3120)	1:134:A:LEU:HD21	1:100:A:LEU:H	18	1.35
(1,3120)	1:134:A:LEU:HD21	1:100:A:LEU:H	22	1.35
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	23	1.35
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	17	1.35
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	7	1.35
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	9	1.35
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD12	20	1.35
(1,314)	1:94:A:ARG:HD2	1:94:A:ARG:HB3	16	1.35
(1,49)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	7	1.35
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG21	25	1.35
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	6	1.34
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	22	1.34
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	6	1.34
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	11	1.34
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD22	1	1.34
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD21	17	1.34
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	8	1.34
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	8	1.34
(1,1738)	1:64:A:GLU:HG2	1:60:A:LYS:HD2	23	1.34
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	3	1.34
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	17	1.34
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	1	1.34
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	4	1.34
(1,786)	1:73:A:LEU:HD11	1:77:A:GLN:HE21	19	1.34
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	9	1.34
(1,49)	1:123:A:LEU:HD13	1:127:A:ILE:HG22	13	1.34
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	20	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	4	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	8	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	12	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	15	1.33
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	20	1.33
(1,3120)	1:134:A:LEU:HD23	1:100:A:LEU:H	8	1.33
(1,3058)	1:123:A:LEU:HD22	1:126:A:TYR:HD2	4	1.33
(1,2987)	1:100:A:LEU:HD21	1:99:A:PHE:HA	6	1.33
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	14	1.33
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	23	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2932)	1:88:A:LEU:HD13	1:72:A:GLU:H	18	1.33
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	11	1.33
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	24	1.33
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	4	1.33
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	24	1.33
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	24	1.33
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD2	2	1.33
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	9	1.33
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	20	1.33
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	20	1.33
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	21	1.33
(1,918)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	18	1.33
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	24	1.33
(1,49)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	19	1.33
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	7	1.32
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	3	1.32
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	7	1.32
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	10	1.32
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	2	1.32
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD22	15	1.32
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD22	16	1.32
(1,3120)	1:134:A:LEU:HD21	1:100:A:LEU:H	19	1.32
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	21	1.32
(1,3058)	1:123:A:LEU:HD22	1:70:A:PHE:HE1	10	1.32
(1,3058)	1:123:A:LEU:HD22	1:70:A:PHE:HE1	14	1.32
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	21	1.32
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	11	1.32
(1,2987)	1:100:A:LEU:HD22	1:99:A:PHE:HA	25	1.32
(1,2976)	1:98:A:LEU:HD11	1:96:A:HIS:HA	18	1.32
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	22	1.32
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	4	1.32
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	25	1.32
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	20	1.32
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	24	1.32
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD12	7	1.32
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	11	1.32
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	16	1.32
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	23	1.32
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	10	1.32
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	6	1.32
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	9	1.32
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	17	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	6	1.32
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	20	1.32
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	5	1.31
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	12	1.31
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	14	1.31
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	22	1.31
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	24	1.31
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB3	15	1.31
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD23	11	1.31
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD23	18	1.31
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD23	20	1.31
(1,3120)	1:134:A:LEU:HD23	1:133:A:VAL:H	24	1.31
(1,3058)	1:123:A:LEU:HD21	1:126:A:TYR:HD2	9	1.31
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	21	1.31
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB2	11	1.31
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	7	1.31
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	7	1.31
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD13	2	1.31
(1,2718)	1:88:A:LEU:HD21	1:130:A:LEU:HD13	13	1.31
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD12	25	1.31
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	10	1.31
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	12	1.31
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	8	1.31
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	11	1.31
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	22	1.31
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG23	20	1.31
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	20	1.31
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	6	1.3
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	25	1.3
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	21	1.3
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	10	1.3
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	23	1.3
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	14	1.3
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	2	1.29
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	16	1.29
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD23	6	1.29
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD22	14	1.29
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD23	24	1.29
(1,3117)	1:135:A:LYS:HE3	1:132:A:THR:HG23	6	1.29
(1,3058)	1:123:A:LEU:HD23	1:126:A:TYR:HD2	25	1.29
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	8	1.29
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	16	1.29
(1,2976)	1:98:A:LEU:HD12	1:102:A:SER:HB3	10	1.29
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	23	1.29
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	2	1.29
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	19	1.29
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	22	1.29
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE2	6	1.29
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	10	1.29
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	13	1.29
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	8	1.29
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	13	1.29
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	14	1.29
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	16	1.29
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	2	1.29
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG22	19	1.29
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	25	1.29
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	3	1.29
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	5	1.29
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	5	1.28
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	21	1.28
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	23	1.28
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	2	1.28
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	14	1.28
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	20	1.28
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	21	1.28
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	17	1.28
(1,2987)	1:100:A:LEU:HD22	1:99:A:PHE:HA	9	1.28
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	1	1.28
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	11	1.28
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	5	1.28
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	23	1.28
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	2	1.28
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG21	3	1.28
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG23	7	1.28
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG21	13	1.28
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	23	1.28
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	22	1.28
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	18	1.27
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	19	1.27
(1,3058)	1:123:A:LEU:HD22	1:70:A:PHE:HE1	23	1.27
(1,3058)	1:123:A:LEU:HD22	1:70:A:PHE:HE1	24	1.27
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB2	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB2	1	1.27
(1,2976)	1:98:A:LEU:HD13	1:96:A:HIS:HA	17	1.27
(1,2976)	1:98:A:LEU:HD11	1:102:A:SER:HB3	24	1.27
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	6	1.27
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	2	1.27
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	5	1.27
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	5	1.27
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	7	1.27
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	9	1.27
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	20	1.27
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	4	1.27
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD11	14	1.27
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	9	1.27
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	4	1.27
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	9	1.27
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	16	1.27
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	10	1.27
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG22	1	1.27
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG21	23	1.27
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	19	1.27
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	2	1.27
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	23	1.27
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB3	20	1.26
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB3	24	1.26
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD21	10	1.26
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD23	19	1.26
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	7	1.26
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	4	1.26
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	16	1.26
(1,2727)	1:123:A:LEU:HD13	1:127:A:ILE:HG21	3	1.26
(1,2727)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	24	1.26
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD12	16	1.26
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	3	1.26
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	3	1.26
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	7	1.26
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	19	1.26
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	23	1.26
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG23	8	1.26
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG23	11	1.26
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG21	21	1.26
(1,918)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	3	1.26
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	5	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	15	1.26
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	4	1.26
(1,3122)	1:131:A:CYS:HA	1:134:A:LEU:HD22	8	1.25
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	1	1.25
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	18	1.25
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	18	1.25
(1,2987)	1:100:A:LEU:HD22	1:105:A:PHE:HA	2	1.25
(1,2987)	1:100:A:LEU:HD23	1:105:A:PHE:HA	20	1.25
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	9	1.25
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	19	1.25
(1,2727)	1:123:A:LEU:HD11	1:127:A:ILE:HG22	18	1.25
(1,2712)	1:71:A:LEU:HD12	1:88:A:LEU:HG	18	1.25
(1,1837)	1:77:A:GLN:HE22	1:73:A:LEU:HD11	19	1.25
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	8	1.25
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	10	1.25
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG21	5	1.25
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	9	1.25
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	15	1.25
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	17	1.25
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	21	1.24
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	9	1.24
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	10	1.24
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	15	1.24
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	19	1.24
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	24	1.24
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	10	1.24
(1,3085)	1:127:A:ILE:HG23	1:128:A:ASN:HB2	22	1.24
(1,3051)	1:120:A:PRO:HD3	1:119:A:ARG:HG3	15	1.24
(1,3048)	1:120:A:PRO:HB2	1:116:A:ALA:HA	8	1.24
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	16	1.24
(1,2976)	1:98:A:LEU:HD11	1:96:A:HIS:HA	2	1.24
(1,2976)	1:98:A:LEU:HD12	1:102:A:SER:HB3	3	1.24
(1,2976)	1:98:A:LEU:HD12	1:102:A:SER:HB3	12	1.24
(1,2976)	1:98:A:LEU:HD13	1:96:A:HIS:HA	19	1.24
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	15	1.24
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	9	1.24
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	25	1.24
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	1	1.24
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD22	21	1.24
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	9	1.24
(1,2718)	1:88:A:LEU:HD21	1:130:A:LEU:HD11	18	1.24
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	21	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	17	1.24
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD13	12	1.24
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD11	21	1.24
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	19	1.24
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	7	1.24
(1,1482)	1:123:A:LEU:HD22	1:127:A:ILE:H	24	1.24
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	25	1.24
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG22	4	1.24
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG22	12	1.24
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG23	14	1.24
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG22	18	1.24
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG23	24	1.24
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	17	1.24
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	7	1.24
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	8	1.24
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	22	1.24
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	7	1.23
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	23	1.23
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	3	1.23
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	24	1.23
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	14	1.23
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD21	5	1.23
(1,2727)	1:123:A:LEU:HD12	1:127:A:ILE:HG22	7	1.23
(1,2727)	1:123:A:LEU:HD13	1:127:A:ILE:HG22	13	1.23
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	12	1.23
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD13	9	1.23
(1,2718)	1:88:A:LEU:HD21	1:130:A:LEU:HD11	15	1.23
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	7	1.23
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	2	1.23
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	5	1.23
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	14	1.23
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	4	1.23
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG22	2	1.23
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG21	6	1.23
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG23	17	1.23
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG22	22	1.23
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	25	1.23
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	11	1.23
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE1	12	1.23
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	2	1.22
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	25	1.22
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD12	17	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	23	1.22
(1,3161)	1:123:A:LEU:HD13	1:77:A:GLN:HE21	7	1.22
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD22	12	1.22
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	15	1.22
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	18	1.22
(1,3058)	1:123:A:LEU:HD21	1:70:A:PHE:HE1	2	1.22
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	10	1.22
(1,3041)	1:116:A:ALA:HB1	1:74:A:CYS:HG	8	1.22
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	3	1.22
(1,2987)	1:100:A:LEU:HD21	1:105:A:PHE:HA	19	1.22
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	22	1.22
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	3	1.22
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	21	1.22
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	12	1.22
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD13	5	1.22
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD13	6	1.22
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	16	1.22
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	22	1.22
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD11	7	1.22
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD11	16	1.22
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	7	1.22
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG22	9	1.22
(1,1290)	1:109:A:LEU:HD12	1:108:A:ILE:HG22	15	1.22
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	14	1.22
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	14	1.22
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD13	18	1.21
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	19	1.21
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	5	1.21
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	20	1.21
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	11	1.21
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	22	1.21
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB3	6	1.21
(1,2987)	1:100:A:LEU:HD23	1:105:A:PHE:HA	13	1.21
(1,2976)	1:98:A:LEU:HD13	1:102:A:SER:HB3	5	1.21
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	1	1.21
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD21	8	1.21
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD22	17	1.21
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	2	1.21
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD13	11	1.21
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	1	1.21
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	24	1.21
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	10	1.21
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD12	4	1.21
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD12	6	1.21
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	2	1.21
(1,696)	1:66:A:LEU:HD21	1:109:A:LEU:HB2	5	1.21
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	6	1.2
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB2	19	1.2
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	4	1.2
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD23	13	1.2
(1,3051)	1:120:A:PRO:HD3	1:119:A:ARG:HG3	8	1.2
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	12	1.2
(1,3048)	1:120:A:PRO:HB2	1:116:A:ALA:HA	15	1.2
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB3	4	1.2
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB3	22	1.2
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	5	1.2
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	14	1.2
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	10	1.2
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	6	1.2
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	10	1.2
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	24	1.2
(1,2841)	1:69:A:GLU:HB3	1:70:A:PHE:HD2	5	1.2
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD21	10	1.2
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	1	1.2
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	14	1.2
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	21	1.2
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG13	6	1.2
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG13	7	1.2
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	25	1.2
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD11	19	1.2
(1,1665)	1:136:A:ALA:HB1	1:135:A:LYS:HB2	5	1.2
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	22	1.2
(1,1290)	1:109:A:LEU:HD13	1:108:A:ILE:HG21	10	1.2
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG23	25	1.2
(1,918)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	7	1.2
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	20	1.2
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	22	1.2
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	13	1.2
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE1	4	1.2
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	11	1.19
(1,3120)	1:134:A:LEU:HD21	1:100:A:LEU:H	25	1.19
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	13	1.19
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	22	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3051)	1:120:A:PRO:HD3	1:119:A:ARG:HG3	3	1.19
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB3	2	1.19
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB3	12	1.19
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	16	1.19
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	16	1.19
(1,2845)	1:135:A:LYS:HE3	1:132:A:THR:HA	6	1.19
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD23	23	1.19
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	3	1.19
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG11	14	1.19
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD12	24	1.19
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	3	1.19
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	4	1.19
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	8	1.19
(1,2712)	1:71:A:LEU:HD12	1:88:A:LEU:HG	13	1.19
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	17	1.19
(1,2712)	1:71:A:LEU:HD12	1:88:A:LEU:HG	23	1.19
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	18	1.19
(1,2187)	1:93:A:GLN:H	1:94:A:ARG:HB3	20	1.19
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	6	1.19
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	19	1.19
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	19	1.19
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	1	1.19
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	4	1.19
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	16	1.19
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	15	1.18
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	3	1.18
(1,3193)	1:88:A:LEU:HD13	1:74:A:CYS:H	25	1.18
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	13	1.18
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	7	1.18
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	2	1.18
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	12	1.18
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	18	1.18
(1,3059)	1:123:A:LEU:HD23	1:70:A:PHE:HZ	18	1.18
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	16	1.18
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	17	1.18
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	8	1.18
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	12	1.18
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	20	1.18
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	11	1.18
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG12	19	1.18
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD11	3	1.18
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD12	21	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2712)	1:71:A:LEU:HD12	1:88:A:LEU:HG	9	1.18
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	19	1.18
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	2	1.18
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	5	1.18
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD2	20	1.18
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	21	1.18
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	18	1.18
(1,1290)	1:109:A:LEU:HD11	1:108:A:ILE:HG21	16	1.18
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	2	1.17
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	7	1.17
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	3	1.17
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	5	1.17
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	10	1.17
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	23	1.17
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	1	1.17
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	5	1.17
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB3	20	1.17
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	20	1.17
(1,2987)	1:100:A:LEU:HD23	1:105:A:PHE:HA	1	1.17
(1,2916)	1:133:A:VAL:HG21	1:134:A:LEU:H	9	1.17
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	17	1.17
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	18	1.17
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	22	1.17
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG12	15	1.17
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG12	20	1.17
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD12	10	1.17
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	2	1.17
(1,2712)	1:71:A:LEU:HD12	1:88:A:LEU:HG	5	1.17
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	11	1.17
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	14	1.17
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	20	1.17
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	22	1.17
(1,2187)	1:93:A:GLN:H	1:94:A:ARG:HB3	16	1.17
(1,1900)	1:59:A:TYR:H	1:59:A:TYR:HE1	13	1.17
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	20	1.17
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD12	13	1.17
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	18	1.17
(1,1649)	1:135:A:LYS:HG2	1:135:A:LYS:HA	24	1.17
(1,1105)	1:91:A:ARG:HA	1:94:A:ARG:HG2	25	1.17
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	1	1.17
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	6	1.17
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	16	1.17
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	21	1.17
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	4	1.17
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	22	1.17
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB2	16	1.16
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	23	1.16
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	4	1.16
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	6	1.16
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	19	1.16
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	24	1.16
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	21	1.16
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	22	1.16
(1,3041)	1:116:A:ALA:HB2	1:74:A:CYS:HG	3	1.16
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	1	1.16
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	4	1.16
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	7	1.16
(1,2916)	1:133:A:VAL:HG23	1:134:A:LEU:H	20	1.16
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	23	1.16
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	11	1.16
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD22	11	1.16
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD21	14	1.16
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	4	1.16
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	8	1.16
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	17	1.16
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG13	8	1.16
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG13	16	1.16
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	18	1.16
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	6	1.16
(1,2712)	1:71:A:LEU:HD11	1:88:A:LEU:HG	15	1.16
(1,2615)	1:122:A:LYS:HB2	1:126:A:TYR:HE1	6	1.16
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	25	1.16
(1,2187)	1:93:A:GLN:H	1:94:A:ARG:HB3	25	1.16
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	14	1.16
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG13	2	1.16
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	10	1.16
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	1	1.16
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	13	1.15
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	2	1.15
(1,3427)	1:107:A:ASN:H	1:130:A:LEU:HD11	16	1.15
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	8	1.15
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	16	1.15
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB2	17	1.15
(1,2976)	1:98:A:LEU:HD12	1:96:A:HIS:HA	9	1.15
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	10	1.15
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	1	1.15
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	2	1.15
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	16	1.15
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	25	1.15
(1,2916)	1:133:A:VAL:HG22	1:134:A:LEU:H	15	1.15
(1,2916)	1:133:A:VAL:HG21	1:134:A:LEU:H	19	1.15
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG12	18	1.15
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	9	1.15
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	15	1.15
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD22	16	1.15
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	10	1.15
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD12	1	1.15
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD11	8	1.15
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	7	1.15
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	24	1.15
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	3	1.15
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	1	1.15
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	10	1.15
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	22	1.15
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	24	1.15
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG3	19	1.15
(1,696)	1:66:A:LEU:HD22	1:109:A:LEU:HB2	9	1.15
(1,3462)	1:66:A:LEU:HD21	1:67:A:PHE:H	20	1.14
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	5	1.14
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	8	1.14
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	18	1.14
(1,3157)	1:133:A:VAL:HG22	1:129:A:GLU:HG3	15	1.14
(1,3120)	1:134:A:LEU:HD21	1:133:A:VAL:H	9	1.14
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	17	1.14
(1,3101)	1:130:A:LEU:HD23	1:67:A:PHE:H	25	1.14
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	21	1.14
(1,2916)	1:133:A:VAL:HG23	1:134:A:LEU:H	2	1.14
(1,2916)	1:133:A:VAL:HG22	1:134:A:LEU:H	7	1.14
(1,2916)	1:133:A:VAL:HG23	1:134:A:LEU:H	13	1.14
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	4	1.14
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	8	1.14
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG13	16	1.14
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	24	1.14
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	25	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD13	4	1.14
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD13	17	1.14
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	3	1.14
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	15	1.14
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	25	1.14
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	7	1.14
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	12	1.14
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	17	1.14
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	4	1.13
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	19	1.13
(1,3160)	1:134:A:LEU:HD12	1:93:A:GLN:HG2	7	1.13
(1,3101)	1:130:A:LEU:HD21	1:67:A:PHE:H	9	1.13
(1,3041)	1:116:A:ALA:HB1	1:74:A:CYS:HG	15	1.13
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	9	1.13
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB2	13	1.13
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	4	1.13
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	14	1.13
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	21	1.13
(1,2974)	1:98:A:LEU:HD12	1:99:A:PHE:H	24	1.13
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	6	1.13
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	13	1.13
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	15	1.13
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	20	1.13
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	21	1.13
(1,2886)	1:73:A:LEU:HD21	1:120:A:PRO:HB3	6	1.13
(1,2884)	1:72:A:GLU:HG2	1:85:A:VAL:HG21	22	1.13
(1,2725)	1:125:A:VAL:HG12	1:122:A:LYS:HG3	15	1.13
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	23	1.13
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	5	1.13
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG12	9	1.13
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG11	11	1.13
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	6	1.13
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	22	1.13
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	17	1.13
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	15	1.13
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	9	1.13
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	21	1.13
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	8	1.12
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	7	1.12
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	1	1.12
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	23	1.12
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	9	1.12
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	10	1.12
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	18	1.12
(1,2916)	1:133:A:VAL:HG21	1:134:A:LEU:H	16	1.12
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	24	1.12
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	21	1.12
(1,2841)	1:104:A:GLU:HB2	1:137:A:HIS:HD2	17	1.12
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD23	1	1.12
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD23	25	1.12
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	15	1.12
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD11	20	1.12
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	10	1.12
(1,2712)	1:71:A:LEU:HD13	1:88:A:LEU:HG	12	1.12
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	18	1.12
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	21	1.12
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	15	1.12
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	9	1.12
(1,1482)	1:123:A:LEU:HD21	1:127:A:ILE:H	18	1.12
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	15	1.12
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD11	1	1.12
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD11	4	1.12
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD11	21	1.12
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG11	15	1.12
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	16	1.12
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	23	1.12
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	12	1.11
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	8	1.11
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	12	1.11
(1,3160)	1:100:A:LEU:HD11	1:93:A:GLN:HG2	10	1.11
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	22	1.11
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB3	3	1.11
(1,3101)	1:130:A:LEU:HD22	1:67:A:PHE:H	16	1.11
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	3	1.11
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	18	1.11
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	20	1.11
(1,3014)	1:109:A:LEU:HD13	1:70:A:PHE:HB2	23	1.11
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	5	1.11
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	11	1.11
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	17	1.11
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	23	1.11
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	5	1.11
(1,2738)	1:101:A:ALA:HB2	1:58:A:CYS:HB2	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG11	12	1.11
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG12	13	1.11
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG11	21	1.11
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD11	22	1.11
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	18	1.11
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	19	1.11
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	9	1.11
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	11	1.11
(1,1649)	1:135:A:LYS:HG2	1:135:A:LYS:HA	16	1.11
(1,1482)	1:123:A:LEU:HD23	1:127:A:ILE:H	13	1.11
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	6	1.11
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	6	1.11
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	21	1.1
(1,3571)	1:116:A:ALA:HB2	1:126:A:TYR:HE2	16	1.1
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	19	1.1
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	14	1.1
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	14	1.1
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	18	1.1
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	15	1.1
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	18	1.1
(1,3160)	1:134:A:LEU:HD12	1:93:A:GLN:HG2	1	1.1
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB2	12	1.1
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	25	1.1
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	18	1.1
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	19	1.1
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	1	1.1
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	21	1.1
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	12	1.1
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	8	1.1
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	24	1.1
(1,2916)	1:133:A:VAL:HG22	1:134:A:LEU:H	3	1.1
(1,2916)	1:133:A:VAL:HG23	1:134:A:LEU:H	6	1.1
(1,2909)	1:83:A:GLU:HG3	1:84:A:VAL:HG11	14	1.1
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	13	1.1
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	19	1.1
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	23	1.1
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	4	1.1
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG13	22	1.1
(1,2718)	1:88:A:LEU:HD23	1:130:A:LEU:HD11	12	1.1
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	17	1.1
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	15	1.1
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	17	1.1
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	13	1.1
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	16	1.1
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	1	1.1
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD12	25	1.1
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	8	1.1
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	15	1.1
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB3	25	1.1
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	10	1.09
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	17	1.09
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	24	1.09
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	15	1.09
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	16	1.09
(1,3462)	1:66:A:LEU:HD21	1:67:A:PHE:H	22	1.09
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	11	1.09
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	14	1.09
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	18	1.09
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	21	1.09
(1,3103)	1:130:A:LEU:HD22	1:105:A:PHE:HD1	21	1.09
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	24	1.09
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	1	1.09
(1,3071)	1:125:A:VAL:HG21	1:126:A:TYR:HD1	19	1.09
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	13	1.09
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	10	1.09
(1,2974)	1:113:A:LEU:HD11	1:67:A:PHE:HD1	10	1.09
(1,2974)	1:113:A:LEU:HD12	1:67:A:PHE:HD1	11	1.09
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	14	1.09
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	23	1.09
(1,2971)	1:95:A:ALA:HB2	1:92:A:GLN:HE21	18	1.09
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	22	1.09
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	14	1.09
(1,2934)	1:88:A:LEU:HD11	1:89:A:TYR:HA	19	1.09
(1,2916)	1:133:A:VAL:HG23	1:134:A:LEU:H	10	1.09
(1,2916)	1:133:A:VAL:HG21	1:130:A:LEU:H	12	1.09
(1,2845)	1:135:A:LYS:HE2	1:132:A:THR:HA	12	1.09
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD23	4	1.09
(1,2721)	1:109:A:LEU:HD21	1:112:A:VAL:HG12	23	1.09
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	7	1.09
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	4	1.09
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	12	1.09
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	15	1.09
(1,1770)	1:64:A:GLU:HG2	1:60:A:LYS:HE3	4	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	2	1.09
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD13	14	1.09
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	5	1.09
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	22	1.09
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	1	1.09
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE2	18	1.09
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	3	1.09
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD21	15	1.09
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	14	1.09
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	23	1.09
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	15	1.08
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	21	1.08
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	4	1.08
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	19	1.08
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	20	1.08
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	25	1.08
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	21	1.08
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE2	2	1.08
(1,3085)	1:127:A:ILE:HG23	1:128:A:ASN:HB2	2	1.08
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	16	1.08
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	23	1.08
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	2	1.08
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	22	1.08
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	23	1.08
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	1	1.08
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	15	1.08
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	18	1.08
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	21	1.08
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	15	1.08
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	22	1.08
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	12	1.08
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	1	1.08
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	3	1.08
(1,2974)	1:98:A:LEU:HD12	1:99:A:PHE:H	7	1.08
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	8	1.08
(1,2934)	1:88:A:LEU:HD12	1:89:A:TYR:HA	3	1.08
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	12	1.08
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	22	1.08
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	16	1.08
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD23	20	1.08
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG11	25	1.08
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG12	23	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	23	1.08
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	24	1.08
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	8	1.08
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	21	1.08
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	10	1.08
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	13	1.08
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	7	1.08
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	12	1.08
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG11	20	1.08
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD21	25	1.08
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	25	1.07
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	23	1.07
(1,3462)	1:66:A:LEU:HD23	1:67:A:PHE:H	1	1.07
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	2	1.07
(1,3462)	1:66:A:LEU:HD23	1:67:A:PHE:H	7	1.07
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	19	1.07
(1,3462)	1:66:A:LEU:HD23	1:67:A:PHE:H	21	1.07
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	13	1.07
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD11	17	1.07
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	25	1.07
(1,3103)	1:130:A:LEU:HD22	1:105:A:PHE:HD1	13	1.07
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	22	1.07
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	4	1.07
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	3	1.07
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	11	1.07
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB2	11	1.07
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	6	1.07
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	9	1.07
(1,3008)	1:108:A:ILE:HG21	1:105:A:PHE:HZ	13	1.07
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	18	1.07
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	6	1.07
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE21	22	1.07
(1,2934)	1:88:A:LEU:HD13	1:89:A:TYR:HA	14	1.07
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	18	1.07
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	23	1.07
(1,2727)	1:127:A:ILE:HG23	1:71:A:LEU:HD21	12	1.07
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD21	15	1.07
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	21	1.07
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	13	1.07
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG11	1	1.07
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG13	17	1.07
(1,2718)	1:88:A:LEU:HD22	1:130:A:LEU:HD12	23	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	3	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	4	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	11	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	12	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	13	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	14	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	19	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	21	1.07
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	25	1.07
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	1	1.07
(1,2436)	1:127:A:ILE:H	1:128:A:ASN:HD22	20	1.07
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	20	1.07
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	21	1.07
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	23	1.07
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	20	1.07
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	21	1.07
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD11	2	1.07
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD13	13	1.07
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD13	22	1.07
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	18	1.07
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	9	1.07
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	19	1.07
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	20	1.06
(1,3462)	1:66:A:LEU:HD23	1:67:A:PHE:H	5	1.06
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	6	1.06
(1,3462)	1:66:A:LEU:HD21	1:67:A:PHE:H	9	1.06
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	13	1.06
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	14	1.06
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	17	1.06
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB3	22	1.06
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	1	1.06
(1,3103)	1:130:A:LEU:HD21	1:105:A:PHE:HD1	5	1.06
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	11	1.06
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	15	1.06
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	17	1.06
(1,3048)	1:120:A:PRO:HB2	1:116:A:ALA:HA	3	1.06
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	22	1.06
(1,3014)	1:109:A:LEU:HD11	1:70:A:PHE:HB2	7	1.06
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	11	1.06
(1,2985)	1:100:A:LEU:HD13	1:93:A:GLN:HA	3	1.06
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	12	1.06
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	25	1.06
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	21	1.06
(1,2916)	1:133:A:VAL:HG21	1:130:A:LEU:H	8	1.06
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	14	1.06
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	25	1.06
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	16	1.06
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	9	1.06
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	5	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	2	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	3	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	5	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	6	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	7	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	10	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	15	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	16	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	17	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	18	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	20	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	22	1.06
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	24	1.06
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	14	1.06
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	18	1.06
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	22	1.06
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	4	1.06
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	14	1.06
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	23	1.06
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	4	1.06
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	6	1.06
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB3	15	1.06
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	4	1.05
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	9	1.05
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	13	1.05
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	3	1.05
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	4	1.05
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	11	1.05
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	17	1.05
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	23	1.05
(1,3462)	1:66:A:LEU:HD21	1:67:A:PHE:H	24	1.05
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	14	1.05
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	23	1.05
(1,3103)	1:130:A:LEU:HD22	1:105:A:PHE:HD1	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3103)	1:130:A:LEU:HD23	1:67:A:PHE:HZ	15	1.05
(1,3085)	1:127:A:ILE:HG22	1:128:A:ASN:HB2	8	1.05
(1,3085)	1:127:A:ILE:HG22	1:128:A:ASN:HB2	15	1.05
(1,3085)	1:127:A:ILE:HG23	1:128:A:ASN:HB2	17	1.05
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	23	1.05
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	7	1.05
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	3	1.05
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	1	1.05
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB3	19	1.05
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	7	1.05
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	22	1.05
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE21	8	1.05
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	11	1.05
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	20	1.05
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	24	1.05
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	1	1.05
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	4	1.05
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	14	1.05
(1,2841)	1:69:A:GLU:HB3	1:70:A:PHE:HD2	9	1.05
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	10	1.05
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	20	1.05
(1,2645)	1:124:A:TYR:HD2	1:128:A:ASN:H	18	1.05
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	1	1.05
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	8	1.05
(1,2588)	1:89:A:TYR:HB2	1:89:A:TYR:HD1	9	1.05
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	22	1.05
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	24	1.05
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	14	1.05
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	9	1.05
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	11	1.05
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD13	7	1.05
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD12	14	1.05
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	22	1.05
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	5	1.05
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	10	1.05
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD23	17	1.05
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	1	1.05
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	18	1.05
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	5	1.04
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	11	1.04
(1,3462)	1:67:A:PHE:H	1:109:A:LEU:HG	25	1.04
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	8	1.04
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	24	1.04
(1,3353)	1:90:A:ASN:HD21	1:86:A:PRO:HB3	17	1.04
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	9	1.04
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	10	1.04
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	8	1.04
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	16	1.04
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	24	1.04
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	14	1.04
(1,3103)	1:130:A:LEU:HD23	1:105:A:PHE:HD1	25	1.04
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	5	1.04
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	4	1.04
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	5	1.04
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	25	1.04
(1,3071)	1:125:A:VAL:HG21	1:126:A:TYR:HD1	11	1.04
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	23	1.04
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	24	1.04
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	17	1.04
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	5	1.04
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	12	1.04
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	16	1.04
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	17	1.04
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	20	1.04
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	8	1.04
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	18	1.04
(1,2985)	1:134:A:LEU:HD12	1:91:A:ARG:HA	7	1.04
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	4	1.04
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	1	1.04
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	10	1.04
(1,2916)	1:133:A:VAL:HG21	1:130:A:LEU:H	5	1.04
(1,2916)	1:133:A:VAL:HG22	1:130:A:LEU:H	21	1.04
(1,2916)	1:133:A:VAL:HG22	1:130:A:LEU:H	24	1.04
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	6	1.04
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD21	22	1.04
(1,2721)	1:109:A:LEU:HD23	1:112:A:VAL:HG13	24	1.04
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	11	1.04
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD12	6	1.04
(1,1665)	1:136:A:ALA:HB2	1:135:A:LYS:HB2	10	1.04
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	2	1.04
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	6	1.04
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	6	1.04
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD11	3	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD12	19	1.04
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	2	1.04
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD22	20	1.04
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	24	1.04
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	1	1.03
(1,3498)	1:125:A:VAL:HG22	1:128:A:ASN:HD22	10	1.03
(1,3462)	1:66:A:LEU:HD22	1:67:A:PHE:H	10	1.03
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	7	1.03
(1,3454)	1:114:A:SER:H	1:112:A:VAL:HB	3	1.03
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	6	1.03
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	19	1.03
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	4	1.03
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	24	1.03
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	13	1.03
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	4	1.03
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	23	1.03
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB2	4	1.03
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	1	1.03
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	18	1.03
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	21	1.03
(1,3078)	1:127:A:ILE:HA	1:128:A:ASN:HB2	8	1.03
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	5	1.03
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	9	1.03
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	8	1.03
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	14	1.03
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	25	1.03
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	3	1.03
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	24	1.03
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	13	1.03
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	21	1.03
(1,2971)	1:95:A:ALA:HB1	1:92:A:GLN:HE21	7	1.03
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	6	1.03
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	11	1.03
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	25	1.03
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG3	19	1.03
(1,2721)	1:109:A:LEU:HD22	1:112:A:VAL:HG12	3	1.03
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	23	1.03
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	5	1.03
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	7	1.03
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	8	1.03
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	19	1.03
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD22	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	12	1.03
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	1	1.03
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD21	2	1.03
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD21	18	1.03
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD23	22	1.03
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB1	6	1.03
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	3	1.02
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	4	1.02
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	22	1.02
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	5	1.02
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	5	1.02
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD11	16	1.02
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	5	1.02
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	24	1.02
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD23	25	1.02
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	21	1.02
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG23	9	1.02
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	2	1.02
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	17	1.02
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	18	1.02
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	22	1.02
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	8	1.02
(1,3103)	1:130:A:LEU:HD21	1:67:A:PHE:HZ	11	1.02
(1,3103)	1:130:A:LEU:HD23	1:105:A:PHE:HD1	22	1.02
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	15	1.02
(1,3085)	1:127:A:ILE:HG23	1:128:A:ASN:HB2	19	1.02
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	7	1.02
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	13	1.02
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	20	1.02
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	5	1.02
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	24	1.02
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	19	1.02
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	24	1.02
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	3	1.02
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	5	1.02
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	14	1.02
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	17	1.02
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	15	1.02
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	13	1.02
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	17	1.02
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	5	1.02
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	25	1.02
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	21	1.02
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	25	1.02
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	9	1.02
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD12	9	1.02
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	1	1.02
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	1	1.02
(1,1665)	1:136:A:ALA:HB3	1:135:A:LYS:HB2	12	1.02
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	19	1.02
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	10	1.02
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD22	4	1.02
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD22	25	1.02
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	9	1.02
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	11	1.02
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	6	1.02
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	17	1.02
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB1	9	1.02
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB2	25	1.02
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	5	1.01
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	17	1.01
(1,3454)	1:114:A:SER:H	1:112:A:VAL:HB	8	1.01
(1,3454)	1:114:A:SER:H	1:112:A:VAL:HB	15	1.01
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	9	1.01
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	25	1.01
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	13	1.01
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	23	1.01
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD11	2	1.01
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	6	1.01
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	9	1.01
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	12	1.01
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB2	13	1.01
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	3	1.01
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	7	1.01
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	13	1.01
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	15	1.01
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	19	1.01
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	25	1.01
(1,3103)	1:130:A:LEU:HD21	1:67:A:PHE:HZ	2	1.01
(1,3103)	1:130:A:LEU:HD23	1:105:A:PHE:HD1	19	1.01
(1,3103)	1:130:A:LEU:HD23	1:67:A:PHE:HZ	20	1.01
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	8	1.01
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	4	1.01
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	17	1.01
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	4	1.01
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	5	1.01
(1,2985)	1:100:A:LEU:HD13	1:93:A:GLN:HA	8	1.01
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	18	1.01
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	19	1.01
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	18	1.01
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	22	1.01
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD3	10	1.01
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD21	9	1.01
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	13	1.01
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	7	1.01
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	10	1.01
(1,1521)	1:125:A:VAL:HG21	1:122:A:LYS:HG3	25	1.01
(1,1424)	1:119:A:ARG:HB2	1:122:A:LYS:HG2	19	1.01
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD11	9	1.01
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD12	16	1.01
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	8	1.01
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	18	1.01
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	5	1.01
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	7	1.01
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	11	1.01
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	15	1.01
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	13	1.01
(1,696)	1:66:A:LEU:HD23	1:109:A:LEU:HB2	17	1.01
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD22	15	1.01
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	21	1.01
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	19	1.01
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB3	2	1.01
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB3	8	1.01
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	1	1.0
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	2	1.0
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	10	1.0
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	14	1.0
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	20	1.0
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	23	1.0
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	23	1.0
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	16	1.0
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	20	1.0
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	21	1.0
(1,3189)	1:66:A:LEU:H	1:62:A:GLU:HB3	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD3	19	1.0
(1,3161)	1:123:A:LEU:HD12	1:77:A:GLN:HE21	19	1.0
(1,3160)	1:134:A:LEU:HD13	1:93:A:GLN:HG2	13	1.0
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	8	1.0
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	9	1.0
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	11	1.0
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	21	1.0
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	23	1.0
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	24	1.0
(1,3103)	1:130:A:LEU:HD21	1:105:A:PHE:HD1	7	1.0
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	12	1.0
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	10	1.0
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	20	1.0
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	22	1.0
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	11	1.0
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	20	1.0
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	1	1.0
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	20	1.0
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	4	1.0
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	25	1.0
(1,2916)	1:133:A:VAL:HG21	1:130:A:LEU:H	23	1.0
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	9	1.0
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	23	1.0
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	7	1.0
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	15	1.0
(1,2727)	1:127:A:ILE:HG21	1:71:A:LEU:HD22	6	1.0
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD22	18	1.0
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	16	1.0
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	11	1.0
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG11	14	1.0
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	15	1.0
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	25	1.0
(1,1689)	1:139:A:ALA:HB3	1:100:A:LEU:HD11	25	1.0
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	3	1.0
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	22	1.0
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	4	1.0
(1,1529)	1:112:A:VAL:HG22	1:126:A:TYR:HB2	5	1.0
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	12	1.0
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	17	1.0
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	22	1.0
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	20	1.0
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD11	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD11	20	1.0
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	3	1.0
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	13	1.0
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD22	23	1.0
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	10	1.0
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	15	1.0
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD23	20	1.0
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	7	1.0
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	15	1.0
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB1	3	1.0
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB3	13	1.0
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB1	14	1.0
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB3	17	1.0
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	16	0.99
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	21	0.99
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	22	0.99
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	1	0.99
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	8	0.99
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	12	0.99
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	21	0.99
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	22	0.99
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	4	0.99
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	7	0.99
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	17	0.99
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	1	0.99
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	10	0.99
(1,3104)	1:130:A:LEU:HD22	1:130:A:LEU:HA	12	0.99
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	14	0.99
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	16	0.99
(1,3103)	1:130:A:LEU:HD22	1:105:A:PHE:HD1	16	0.99
(1,3103)	1:130:A:LEU:HD22	1:105:A:PHE:HD1	17	0.99
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	8	0.99
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	1	0.99
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	12	0.99
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	14	0.99
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	4	0.99
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	17	0.99
(1,3071)	1:125:A:VAL:HG21	1:126:A:TYR:HD1	25	0.99
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	13	0.99
(1,3014)	1:109:A:LEU:HD12	1:70:A:PHE:HB3	25	0.99
(1,3008)	1:108:A:ILE:HG22	1:105:A:PHE:HZ	2	0.99
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	15	0.99
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	12	0.99
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	16	0.99
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	15	0.99
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	8	0.99
(1,2841)	1:104:A:GLU:HB2	1:137:A:HIS:HD2	16	0.99
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD3	14	0.99
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD21	2	0.99
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	18	0.99
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	12	0.99
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	15	0.99
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	21	0.99
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	16	0.99
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	23	0.99
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG13	24	0.99
(1,1655)	1:135:A:LYS:HD2	1:135:A:LYS:H	19	0.99
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	14	0.99
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	9	0.99
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	3	0.99
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	8	0.99
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD12	18	0.99
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD12	23	0.99
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	9	0.99
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	14	0.99
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	19	0.99
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	24	0.99
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD21	5	0.99
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	24	0.99
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB2	4	0.99
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB2	7	0.99
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB1	22	0.99
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB3	24	0.99
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	6	0.98
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	8	0.98
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	12	0.98
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	15	0.98
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	17	0.98
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	12	0.98
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	8	0.98
(1,3160)	1:134:A:LEU:HD12	1:93:A:GLN:HG2	9	0.98
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	19	0.98
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	22	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	3	0.98
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	5	0.98
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	10	0.98
(1,3071)	1:125:A:VAL:HG21	1:126:A:TYR:HD1	3	0.98
(1,3071)	1:125:A:VAL:HG21	1:126:A:TYR:HD1	13	0.98
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	14	0.98
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	21	0.98
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	13	0.98
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	12	0.98
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	1	0.98
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	23	0.98
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	3	0.98
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	5	0.98
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	9	0.98
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	17	0.98
(1,2916)	1:133:A:VAL:HG23	1:130:A:LEU:H	25	0.98
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	2	0.98
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	21	0.98
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	13	0.98
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	3	0.98
(1,2727)	1:127:A:ILE:HG22	1:71:A:LEU:HD22	19	0.98
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	13	0.98
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	4	0.98
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	2	0.98
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	13	0.98
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	11	0.98
(1,1652)	1:135:A:LYS:HB3	1:135:A:LYS:HE2	16	0.98
(1,1529)	1:112:A:VAL:HG21	1:126:A:TYR:HB2	25	0.98
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	15	0.98
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	13	0.98
(1,1192)	1:100:A:LEU:HD23	1:109:A:LEU:HD13	12	0.98
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	8	0.98
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	8	0.98
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD22	13	0.98
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	5	0.98
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	14	0.98
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB1	10	0.98
(1,85)	1:112:A:VAL:HG12	1:116:A:ALA:HB2	16	0.98
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB3	19	0.98
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	18	0.97
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	23	0.97
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	25	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	7	0.97
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD11	22	0.97
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB3	10	0.97
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	1	0.97
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	25	0.97
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG22	12	0.97
(1,3104)	1:130:A:LEU:HD23	1:130:A:LEU:HA	4	0.97
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	6	0.97
(1,3104)	1:130:A:LEU:HD21	1:130:A:LEU:HA	20	0.97
(1,3103)	1:130:A:LEU:HD23	1:105:A:PHE:HD1	18	0.97
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	2	0.97
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	11	0.97
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	24	0.97
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	12	0.97
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	21	0.97
(1,2985)	1:134:A:LEU:HD12	1:91:A:ARG:HA	6	0.97
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	16	0.97
(1,2966)	1:94:A:ARG:HD3	1:90:A:ASN:HA	23	0.97
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	2	0.97
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	21	0.97
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	5	0.97
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD22	1	0.97
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	7	0.97
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	13	0.97
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	15	0.97
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	13	0.97
(1,1521)	1:125:A:VAL:HG21	1:122:A:LYS:HG3	11	0.97
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	23	0.97
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	4	0.97
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	12	0.97
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	16	0.97
(1,1192)	1:100:A:LEU:HD21	1:109:A:LEU:HD12	24	0.97
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	16	0.97
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	21	0.97
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	3	0.97
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD23	3	0.97
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD23	6	0.97
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD21	8	0.97
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD21	10	0.97
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	2	0.97
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB2	11	0.97
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB3	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB1	20	0.97
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB1	21	0.97
(1,85)	1:112:A:VAL:HG11	1:116:A:ALA:HB1	23	0.97
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB3	4	0.97
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	6	0.97
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB1	8	0.97
(1,3498)	1:125:A:VAL:HG23	1:128:A:ASN:HD22	3	0.96
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG12	11	0.96
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	24	0.96
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	6	0.96
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	1	0.96
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	4	0.96
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	12	0.96
(1,3314)	1:77:A:GLN:HE22	1:123:A:LEU:HB2	3	0.96
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	11	0.96
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD13	13	0.96
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	24	0.96
(1,3103)	1:130:A:LEU:HD23	1:67:A:PHE:HZ	6	0.96
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	14	0.96
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	2	0.96
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	12	0.96
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	15	0.96
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	18	0.96
(1,3025)	1:112:A:VAL:HG13	1:115:A:ARG:H	2	0.96
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	13	0.96
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	15	0.96
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	17	0.96
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	21	0.96
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	7	0.96
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	10	0.96
(1,2985)	1:100:A:LEU:HD11	1:93:A:GLN:HA	14	0.96
(1,2985)	1:134:A:LEU:HD12	1:91:A:ARG:HA	15	0.96
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	22	0.96
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	23	0.96
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	13	0.96
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD2	16	0.96
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	24	0.96
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	7	0.96
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG12	19	0.96
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	7	0.96
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB3	11	0.96
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	18	0.96
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	5	0.96
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	5	0.96
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	21	0.96
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD12	5	0.96
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	23	0.96
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	21	0.96
(1,233)	1:98:A:LEU:HD23	1:98:A:LEU:HB3	16	0.96
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	3	0.95
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	16	0.95
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	3	0.95
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	18	0.95
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	13	0.95
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB3	5	0.95
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	11	0.95
(1,3133)	1:139:A:ALA:HB3	1:95:A:ALA:HA	2	0.95
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	8	0.95
(1,3133)	1:139:A:ALA:HB2	1:95:A:ALA:HA	20	0.95
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	23	0.95
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	4	0.95
(1,3103)	1:130:A:LEU:HD21	1:105:A:PHE:HD1	9	0.95
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	19	0.95
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD1	7	0.95
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	8	0.95
(1,3081)	1:127:A:ILE:HG21	1:129:A:GLU:H	10	0.95
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	11	0.95
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	21	0.95
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	23	0.95
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	9	0.95
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	6	0.95
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	8	0.95
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	19	0.95
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	12	0.95
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	20	0.95
(1,2854)	1:62:A:GLU:HG3	1:57:A:LYS:HB3	17	0.95
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	5	0.95
(1,2722)	1:112:A:VAL:HG13	1:115:A:ARG:HG3	10	0.95
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	6	0.95
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	21	0.95
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	17	0.95
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB3	1	0.95
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	8	0.95
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	2	0.95
(1,1689)	1:139:A:ALA:HB1	1:100:A:LEU:HD13	23	0.95
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	10	0.95
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	17	0.95
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD23	9	0.95
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB3	1	0.95
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB3	5	0.95
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	21	0.94
(1,3494)	1:125:A:VAL:HG11	1:128:A:ASN:H	24	0.94
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	13	0.94
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	20	0.94
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	5	0.94
(1,3160)	1:100:A:LEU:HD11	1:93:A:GLN:HG2	2	0.94
(1,3160)	1:134:A:LEU:HD11	1:93:A:GLN:HG2	3	0.94
(1,3160)	1:134:A:LEU:HD12	1:93:A:GLN:HG2	6	0.94
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	4	0.94
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB1	12	0.94
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	23	0.94
(1,3092)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	24	0.94
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	5	0.94
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	6	0.94
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	12	0.94
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	17	0.94
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	21	0.94
(1,3088)	1:127:A:ILE:HD12	1:124:A:TYR:HB2	11	0.94
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	7	0.94
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	9	0.94
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	14	0.94
(1,3071)	1:125:A:VAL:HG23	1:126:A:TYR:HD1	10	0.94
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	25	0.94
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	19	0.94
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	11	0.94
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	24	0.94
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	24	0.94
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	16	0.94
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	1	0.94
(1,2862)	1:66:A:LEU:HD13	1:62:A:GLU:HB2	7	0.94
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	22	0.94
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD3	1	0.94
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD2	3	0.94
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD2	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD2	11	0.94
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD23	7	0.94
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	12	0.94
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG11	24	0.94
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	14	0.94
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	20	0.94
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	16	0.94
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	9	0.94
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	21	0.94
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	25	0.94
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	5	0.94
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	10	0.94
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	22	0.94
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG13	18	0.94
(1,1689)	1:139:A:ALA:HB2	1:100:A:LEU:HD13	18	0.94
(1,1529)	1:112:A:VAL:HG23	1:126:A:TYR:HB2	3	0.94
(1,1521)	1:125:A:VAL:HG21	1:122:A:LYS:HG3	3	0.94
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	7	0.94
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	17	0.94
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	25	0.94
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	20	0.94
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	12	0.94
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	8	0.94
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	2	0.94
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	13	0.94
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	14	0.94
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	16	0.94
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	19	0.94
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD21	10	0.94
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB2	22	0.94
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	23	0.93
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	4	0.93
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	17	0.93
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	9	0.93
(1,3160)	1:134:A:LEU:HD12	1:93:A:GLN:HG2	15	0.93
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	1	0.93
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	24	0.93
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	8	0.93
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	23	0.93
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	1	0.93
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	4	0.93
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	16	0.93
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	10	0.93
(1,3037)	1:116:A:ALA:HB2	1:114:A:SER:H	2	0.93
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	7	0.93
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	5	0.93
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	16	0.93
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	20	0.93
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	9	0.93
(1,2985)	1:134:A:LEU:HD13	1:91:A:ARG:HA	16	0.93
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	11	0.93
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	4	0.93
(1,2937)	1:88:A:LEU:HD13	1:131:A:CYS:HB2	23	0.93
(1,2876)	1:71:A:LEU:HD13	1:85:A:VAL:HB	9	0.93
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	19	0.93
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	11	0.93
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD2	2	0.93
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD3	6	0.93
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD3	19	0.93
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD22	4	0.93
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	6	0.93
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	1	0.93
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	16	0.93
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	20	0.93
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG11	21	0.93
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG13	10	0.93
(1,2684)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	8	0.93
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	16	0.93
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	18	0.93
(1,1770)	1:64:A:GLU:HG2	1:60:A:LYS:HE3	17	0.93
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	20	0.93
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	16	0.93
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	13	0.93
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	7	0.93
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	20	0.93
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	14	0.93
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	15	0.93
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	24	0.93
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	20	0.93
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	4	0.93
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	8	0.93
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	18	0.93
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	24	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD23	21	0.93
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	1	0.93
(1,95)	1:134:A:LEU:HD21	1:92:A:GLN:HG2	25	0.93
(1,85)	1:112:A:VAL:HG13	1:116:A:ALA:HB3	18	0.93
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	4	0.93
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB1	5	0.93
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	20	0.93
(1,3567)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	3	0.92
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	23	0.92
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	2	0.92
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	10	0.92
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	17	0.92
(1,3193)	1:88:A:LEU:HD13	1:74:A:CYS:H	18	0.92
(1,3133)	1:139:A:ALA:HB3	1:95:A:ALA:HA	13	0.92
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB1	15	0.92
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB1	19	0.92
(1,3122)	1:133:A:VAL:HA	1:134:A:LEU:HD21	9	0.92
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	3	0.92
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	10	0.92
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	9	0.92
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	10	0.92
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	22	0.92
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	1	0.92
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	21	0.92
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD11	25	0.92
(1,3082)	1:127:A:ILE:HG22	1:87:A:PHE:HD2	25	0.92
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	6	0.92
(1,3071)	1:125:A:VAL:HG22	1:126:A:TYR:HD1	6	0.92
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	6	0.92
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	9	0.92
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	23	0.92
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	14	0.92
(1,3008)	1:108:A:ILE:HG23	1:105:A:PHE:HZ	25	0.92
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	4	0.92
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	20	0.92
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	21	0.92
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	7	0.92
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	19	0.92
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	17	0.92
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	20	0.92
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	23	0.92
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	25	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD21	8	0.92
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD2	12	0.92
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	18	0.92
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD2	20	0.92
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	21	0.92
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	8	0.92
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	3	0.92
(1,2584)	1:57:A:LYS:H	1:57:A:LYS:HE3	11	0.92
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	6	0.92
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	11	0.92
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	3	0.92
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	2	0.92
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	5	0.92
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	6	0.92
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	22	0.92
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	20	0.92
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	5	0.92
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	2	0.92
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	9	0.92
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	22	0.92
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD21	4	0.92
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD22	11	0.92
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD23	12	0.92
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	5	0.92
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB1	1	0.92
(1,3529)	1:136:A:ALA:H	1:135:A:LYS:HE2	24	0.91
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	8	0.91
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	2	0.91
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	14	0.91
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	4	0.91
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	15	0.91
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	22	0.91
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	5	0.91
(1,3134)	1:139:A:ALA:HB3	1:97:A:SER:HB2	18	0.91
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	5	0.91
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	17	0.91
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	25	0.91
(1,3088)	1:127:A:ILE:HD12	1:124:A:TYR:HB2	8	0.91
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	22	0.91
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	13	0.91
(1,3072)	1:125:A:VAL:HG22	1:124:A:TYR:HA	3	0.91
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	12	0.91
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	15	0.91
(1,3072)	1:125:A:VAL:HG22	1:124:A:TYR:HA	19	0.91
(1,3058)	1:123:A:LEU:HD22	1:70:A:PHE:HE1	13	0.91
(1,3037)	1:116:A:ALA:HB2	1:114:A:SER:H	12	0.91
(1,3037)	1:116:A:ALA:HB2	1:114:A:SER:H	13	0.91
(1,3018)	1:110:A:SER:HB2	1:113:A:LEU:HB2	14	0.91
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	13	0.91
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD13	1	0.91
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	6	0.91
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	25	0.91
(1,2937)	1:88:A:LEU:HD11	1:131:A:CYS:HB2	7	0.91
(1,2937)	1:88:A:LEU:HD12	1:131:A:CYS:HB2	12	0.91
(1,2914)	1:84:A:VAL:HG23	1:87:A:PHE:HD1	3	0.91
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	7	0.91
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	11	0.91
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	14	0.91
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	17	0.91
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	3	0.91
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	5	0.91
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG13	22	0.91
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	10	0.91
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	15	0.91
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	16	0.91
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	24	0.91
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	8	0.91
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	17	0.91
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG13	19	0.91
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	12	0.91
(1,1521)	1:125:A:VAL:HG21	1:122:A:LYS:HG3	13	0.91
(1,1521)	1:125:A:VAL:HG21	1:122:A:LYS:HG3	19	0.91
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	23	0.91
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	5	0.91
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	25	0.91
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD11	8	0.91
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	21	0.91
(1,1100)	1:92:A:GLN:HG3	1:67:A:PHE:HZ	25	0.91
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	24	0.91
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD21	17	0.91
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	6	0.91
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	6	0.91
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	22	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	11	0.91
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	20	0.91
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	21	0.91
(1,693)	1:66:A:LEU:HD13	1:109:A:LEU:HD23	16	0.91
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	11	0.91
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	3	0.91
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	4	0.91
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	12	0.91
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	3	0.91
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	14	0.91
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB1	16	0.91
(1,3581)	1:70:A:PHE:HD1	1:73:A:LEU:HB3	13	0.9
(1,3581)	1:70:A:PHE:HD1	1:73:A:LEU:HB3	18	0.9
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	10	0.9
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	11	0.9
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	18	0.9
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG11	6	0.9
(1,3458)	1:114:A:SER:H	1:112:A:VAL:HG13	19	0.9
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	3	0.9
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	16	0.9
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	3	0.9
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	9	0.9
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	20	0.9
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	14	0.9
(1,3103)	1:130:A:LEU:HD22	1:67:A:PHE:HZ	3	0.9
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	13	0.9
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	14	0.9
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	19	0.9
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	20	0.9
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	4	0.9
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	5	0.9
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD13	6	0.9
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	17	0.9
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	10	0.9
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	24	0.9
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	8	0.9
(1,3070)	1:125:A:VAL:HG11	1:122:A:LYS:HE3	5	0.9
(1,3058)	1:123:A:LEU:HD23	1:70:A:PHE:HE1	18	0.9
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	7	0.9
(1,3037)	1:116:A:ALA:HB3	1:114:A:SER:H	10	0.9
(1,3025)	1:112:A:VAL:HG12	1:115:A:ARG:H	6	0.9
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	5	0.9
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	23	0.9
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	3	0.9
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	6	0.9
(1,2876)	1:71:A:LEU:HD13	1:85:A:VAL:HB	18	0.9
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	20	0.9
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	11	0.9
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	14	0.9
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	16	0.9
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	10	0.9
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	17	0.9
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	25	0.9
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	12	0.9
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	8	0.9
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	15	0.9
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	3	0.9
(1,1515)	1:125:A:VAL:HG12	1:122:A:LYS:HD2	20	0.9
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	22	0.9
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	9	0.9
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	12	0.9
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	7	0.9
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	18	0.9
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	3	0.9
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	5	0.9
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	7	0.9
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	10	0.9
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	12	0.9
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	23	0.9
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD22	14	0.9
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD22	23	0.9
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	9	0.9
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	3	0.9
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	2	0.9
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	1	0.9
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	6	0.9
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	10	0.9
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	14	0.9
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	23	0.9
(1,96)	1:73:A:LEU:HD11	1:76:A:MET:HE1	19	0.9
(1,95)	1:134:A:LEU:HD22	1:92:A:GLN:HG2	9	0.9
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD21	4	0.9
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB1	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	9	0.9
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB1	15	0.9
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	1	0.89
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	12	0.89
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	14	0.89
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	19	0.89
(1,3353)	1:90:A:ASN:HD21	1:88:A:LEU:HB2	25	0.89
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	2	0.89
(1,3189)	1:66:A:LEU:H	1:62:A:GLU:HB3	12	0.89
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	11	0.89
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	10	0.89
(1,3133)	1:139:A:ALA:HB3	1:95:A:ALA:HA	17	0.89
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	8	0.89
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	20	0.89
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	4	0.89
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	12	0.89
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	17	0.89
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	20	0.89
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	10	0.89
(1,3025)	1:112:A:VAL:HG11	1:115:A:ARG:H	9	0.89
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	4	0.89
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	9	0.89
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	23	0.89
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	25	0.89
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	19	0.89
(1,2962)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	25	0.89
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD21	14	0.89
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	9	0.89
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD2	15	0.89
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	1	0.89
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	23	0.89
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	23	0.89
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG11	3	0.89
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	10	0.89
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	19	0.89
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	11	0.89
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	1	0.89
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	22	0.89
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE21	17	0.89
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	14	0.89
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG12	9	0.89
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	9	0.89
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	24	0.89
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	2	0.89
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	17	0.89
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	2	0.89
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	21	0.89
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	20	0.89
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	11	0.89
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD11	10	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	2	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	5	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	13	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	14	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	17	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	18	0.89
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	22	0.89
(1,1100)	1:92:A:GLN:HG3	1:67:A:PHE:HZ	9	0.89
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	24	0.89
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	16	0.89
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	20	0.89
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	24	0.89
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB3	3	0.89
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	21	0.89
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	16	0.88
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	21	0.88
(1,3494)	1:125:A:VAL:HG11	1:128:A:ASN:H	16	0.88
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	21	0.88
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	3	0.88
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	24	0.88
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	16	0.88
(1,3103)	1:130:A:LEU:HD21	1:67:A:PHE:HZ	12	0.88
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	2	0.88
(1,3090)	1:127:A:ILE:HD13	1:123:A:LEU:HB2	23	0.88
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	24	0.88
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	9	0.88
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	14	0.88
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	6	0.88
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	17	0.88
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	21	0.88
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	24	0.88
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	25	0.88
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3037)	1:116:A:ALA:HB1	1:114:A:SER:H	4	0.88
(1,3037)	1:116:A:ALA:HB1	1:114:A:SER:H	7	0.88
(1,2988)	1:100:A:LEU:HD22	1:97:A:SER:HA	13	0.88
(1,2985)	1:100:A:LEU:HD11	1:93:A:GLN:HA	2	0.88
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	8	0.88
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	12	0.88
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	23	0.88
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	8	0.88
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	24	0.88
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	4	0.88
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	11	0.88
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD3	23	0.88
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	11	0.88
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	20	0.88
(1,2722)	1:112:A:VAL:HG11	1:115:A:ARG:HG3	20	0.88
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	2	0.88
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG12	22	0.88
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	11	0.88
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD23	12	0.88
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD23	20	0.88
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	12	0.88
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	22	0.88
(1,1655)	1:135:A:LYS:HD2	1:135:A:LYS:H	16	0.88
(1,1655)	1:135:A:LYS:HD2	1:135:A:LYS:H	24	0.88
(1,1515)	1:125:A:VAL:HG11	1:122:A:LYS:HD3	18	0.88
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	1	0.88
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	6	0.88
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	18	0.88
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	19	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	3	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	8	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	10	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	20	0.88
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	21	0.88
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	18	0.88
(1,777)	1:72:A:GLU:HG2	1:71:A:LEU:H	23	0.88
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	5	0.88
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	1	0.88
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD23	1	0.88
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD22	19	0.88
(1,693)	1:66:A:LEU:HD12	1:109:A:LEU:HD21	24	0.88
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	8	0.88
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	11	0.88
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	21	0.88
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD23	24	0.88
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB2	8	0.88
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB1	10	0.88
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB3	19	0.88
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB3	11	0.88
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	23	0.88
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	18	0.87
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	13	0.87
(1,3494)	1:125:A:VAL:HG11	1:128:A:ASN:H	15	0.87
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	25	0.87
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	19	0.87
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	25	0.87
(1,3189)	1:66:A:LEU:H	1:62:A:GLU:HB3	25	0.87
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	1	0.87
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	25	0.87
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	10	0.87
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	1	0.87
(1,3037)	1:116:A:ALA:HB2	1:123:A:LEU:H	6	0.87
(1,3037)	1:116:A:ALA:HB2	1:123:A:LEU:H	14	0.87
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	5	0.87
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	21	0.87
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	1	0.87
(1,2974)	1:98:A:LEU:HD12	1:99:A:PHE:H	9	0.87
(1,2974)	1:98:A:LEU:HD13	1:99:A:PHE:H	17	0.87
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	4	0.87
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	10	0.87
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	2	0.87
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	10	0.87
(1,2875)	1:71:A:LEU:HD13	1:75:A:LYS:HE2	13	0.87
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	4	0.87
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	8	0.87
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	21	0.87
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD21	3	0.87
(1,2841)	1:69:A:GLU:HB3	1:70:A:PHE:HD2	13	0.87
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	6	0.87
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	24	0.87
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	6	0.87
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	23	0.87
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	15	0.87
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	24	0.87
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	1	0.87
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	13	0.87
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	8	0.87
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG13	3	0.87
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	18	0.87
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD13	22	0.87
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	9	0.87
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD13	15	0.87
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	6	0.87
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	12	0.87
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	15	0.87
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	24	0.87
(1,1043)	1:89:A:TYR:HB3	1:71:A:LEU:HD23	18	0.87
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	23	0.87
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	4	0.87
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	18	0.87
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD23	3	0.87
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	24	0.87
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	7	0.87
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	13	0.87
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	18	0.87
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	14	0.87
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD22	6	0.87
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB2	10	0.87
(1,56)	1:73:A:LEU:HD12	1:116:A:ALA:HB1	17	0.87
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	14	0.86
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	25	0.86
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	6	0.86
(1,3314)	1:77:A:GLN:HE22	1:123:A:LEU:HB2	15	0.86
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	14	0.86
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	16	0.86
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	17	0.86
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	19	0.86
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB3	8	0.86
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB1	6	0.86
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	11	0.86
(1,3072)	1:125:A:VAL:HG22	1:124:A:TYR:HA	11	0.86
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	20	0.86
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	8	0.86
(1,3070)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	3	0.86
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	10	0.86
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	16	0.86
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	5	0.86
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	12	0.86
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	16	0.86
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	23	0.86
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	9	0.86
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	25	0.86
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	18	0.86
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	16	0.86
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	21	0.86
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	22	0.86
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	24	0.86
(1,2876)	1:71:A:LEU:HD12	1:72:A:GLU:HG3	22	0.86
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	21	0.86
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	16	0.86
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	14	0.86
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	12	0.86
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	23	0.86
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	2	0.86
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	5	0.86
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	9	0.86
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	14	0.86
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	10	0.86
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	21	0.86
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	3	0.86
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	6	0.86
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	19	0.86
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	18	0.86
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	23	0.86
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	2	0.86
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	4	0.86
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	11	0.86
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	23	0.86
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB3	20	0.86
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	3	0.86
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	9	0.86
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	24	0.86
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	19	0.86
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	19	0.86
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	11	0.86
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	16	0.86
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	19	0.86
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD11	23	0.86
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	4	0.86
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	25	0.86
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	20	0.86
(1,693)	1:66:A:LEU:HD11	1:109:A:LEU:HD23	7	0.86
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	4	0.86
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	1	0.86
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	6	0.86
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	12	0.86
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	9	0.86
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	15	0.86
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	17	0.86
(1,212)	1:130:A:LEU:HD12	1:130:A:LEU:HB3	25	0.86
(1,192)	1:73:A:LEU:HD23	1:116:A:ALA:HB1	19	0.86
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB1	6	0.86
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	20	0.86
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB3	22	0.86
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB3	24	0.86
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	24	0.85
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	20	0.85
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	10	0.85
(1,3567)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	18	0.85
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	5	0.85
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	6	0.85
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	22	0.85
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	12	0.85
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	10	0.85
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	14	0.85
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	4	0.85
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	21	0.85
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	4	0.85
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	3	0.85
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	25	0.85
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	8	0.85
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	12	0.85
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	16	0.85
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	11	0.85
(1,3118)	1:134:A:LEU:HD12	1:67:A:PHE:HZ	13	0.85
(1,3092)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	18	0.85
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	3	0.85
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD13	20	0.85
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	22	0.85
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	9	0.85
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	2	0.85
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	9	0.85
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	9	0.85
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	23	0.85
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	22	0.85
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	19	0.85
(1,3037)	1:116:A:ALA:HB3	1:114:A:SER:H	23	0.85
(1,3037)	1:116:A:ALA:HB2	1:114:A:SER:H	24	0.85
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	10	0.85
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	12	0.85
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	19	0.85
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	24	0.85
(1,2985)	1:134:A:LEU:HD12	1:91:A:ARG:HA	1	0.85
(1,2974)	1:98:A:LEU:HD11	1:99:A:PHE:H	2	0.85
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	6	0.85
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	12	0.85
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	6	0.85
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	17	0.85
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	15	0.85
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	13	0.85
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	18	0.85
(1,2876)	1:71:A:LEU:HD13	1:85:A:VAL:HB	5	0.85
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	16	0.85
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	21	0.85
(1,2876)	1:71:A:LEU:HD13	1:85:A:VAL:HB	23	0.85
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	1	0.85
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	19	0.85
(1,2850)	1:58:A:CYS:HA	1:57:A:LYS:HB3	1	0.85
(1,2841)	1:104:A:GLU:HB2	1:137:A:HIS:HD2	10	0.85
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	13	0.85
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	14	0.85
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD2	5	0.85
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD2	9	0.85
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	13	0.85
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	24	0.85
(1,2705)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	4	0.85
(1,2705)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG13	6	0.85
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	20	0.85
(1,2458)	1:128:A:ASN:HD22	1:130:A:LEU:H	20	0.85
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	21	0.85
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	23	0.85
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	6	0.85
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD23	13	0.85
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	21	0.85
(1,1726)	1:89:A:TYR:HB3	1:85:A:VAL:HG11	12	0.85
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	2	0.85
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	10	0.85
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	6	0.85
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	13	0.85
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	4	0.85
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD12	25	0.85
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	6	0.85
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	9	0.85
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	24	0.85
(1,777)	1:72:A:GLU:HG2	1:71:A:LEU:H	25	0.85
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	7	0.85
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	12	0.85
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	16	0.85
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	18	0.85
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	20	0.85
(1,212)	1:130:A:LEU:HD13	1:130:A:LEU:HB3	2	0.85
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	19	0.85
(1,212)	1:130:A:LEU:HD11	1:130:A:LEU:HB3	22	0.85
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	23	0.85
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	1	0.85
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB3	23	0.85
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	11	0.84
(1,3494)	1:125:A:VAL:HG13	1:128:A:ASN:H	2	0.84
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	15	0.84
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	19	0.84
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	10	0.84
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	21	0.84
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	23	0.84
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	23	0.84
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	5	0.84
(1,3088)	1:127:A:ILE:HD12	1:124:A:TYR:HB2	15	0.84
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD13	22	0.84
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	8	0.84
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	1	0.84
(1,3037)	1:116:A:ALA:HB2	1:114:A:SER:H	5	0.84
(1,3037)	1:116:A:ALA:HB3	1:114:A:SER:H	9	0.84
(1,3037)	1:116:A:ALA:HB2	1:123:A:LEU:H	21	0.84
(1,3037)	1:116:A:ALA:HB3	1:123:A:LEU:H	25	0.84
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	22	0.84
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	19	0.84
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	13	0.84
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	25	0.84
(1,2954)	1:94:A:ARG:HD3	1:90:A:ASN:H	20	0.84
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	4	0.84
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	13	0.84
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	22	0.84
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	25	0.84
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	6	0.84
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG22	24	0.84
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	1	0.84
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD21	5	0.84
(1,2841)	1:104:A:GLU:HB2	1:137:A:HIS:HD2	23	0.84
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	1	0.84
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	10	0.84
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	15	0.84
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	23	0.84
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	25	0.84
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	10	0.84
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD21	5	0.84
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	6	0.84
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	8	0.84
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	17	0.84
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	2	0.84
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	14	0.84
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	2	0.84
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	14	0.84
(1,1515)	1:125:A:VAL:HG13	1:122:A:LYS:HD2	1	0.84
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	7	0.84
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	19	0.84
(1,1192)	1:100:A:LEU:HD22	1:109:A:LEU:HD13	17	0.84
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	9	0.84
(1,1105)	1:91:A:ARG:HA	1:94:A:ARG:HG2	20	0.84
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	7	0.84
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	17	0.84
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	15	0.84
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD23	11	0.84
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	17	0.84
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD23	23	0.84
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB3	15	0.84
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB3	25	0.84
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB3	7	0.84
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	7	0.83
(1,3581)	1:70:A:PHE:HD1	1:73:A:LEU:HB3	21	0.83
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	12	0.83
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	13	0.83
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	21	0.83
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	9	0.83
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	18	0.83
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	19	0.83
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	15	0.83
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	3	0.83
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	10	0.83
(1,3157)	1:133:A:VAL:HG22	1:129:A:GLU:HG3	3	0.83
(1,3118)	1:134:A:LEU:HD13	1:67:A:PHE:HZ	12	0.83
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	13	0.83
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	16	0.83
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	25	0.83
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	6	0.83
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	18	0.83
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	5	0.83
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	22	0.83
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	11	0.83
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	19	0.83
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	24	0.83
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	20	0.83
(1,3037)	1:116:A:ALA:HB3	1:123:A:LEU:H	11	0.83
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	1	0.83
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	2	0.83
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	11	0.83
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	20	0.83
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	20	0.83
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	20	0.83
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	3	0.83
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	25	0.83
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	17	0.83
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	20	0.83
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	9	0.83
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	19	0.83
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	5	0.83
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	9	0.83
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	21	0.83
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	24	0.83
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	8	0.83
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	4	0.83
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	9	0.83
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	13	0.83
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	17	0.83
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	13	0.83
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	1	0.83
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	10	0.83
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	21	0.83
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG12	8	0.83
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG11	12	0.83
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	1	0.83
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	8	0.83
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	11	0.83
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	9	0.83
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	1	0.83
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	25	0.83
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	11	0.83
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	21	0.83
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD11	1	0.83
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	2	0.83
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	23	0.83
(1,1170)	1:100:A:LEU:HA	1:100:A:LEU:HD13	9	0.83
(1,1105)	1:91:A:ARG:HA	1:94:A:ARG:HG2	16	0.83
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	13	0.83
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	15	0.83
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	21	0.83
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	23	0.83
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	8	0.83
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	10	0.83
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	19	0.83
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	3	0.83
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	7	0.83
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	21	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB1	11	0.83
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	13	0.83
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB1	16	0.83
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	18	0.83
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB1	13	0.83
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	23	0.82
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	9	0.82
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	15	0.82
(1,3451)	1:112:A:VAL:HG11	1:113:A:LEU:H	6	0.82
(1,3379)	1:93:A:GLN:HE21	1:100:A:LEU:HB2	3	0.82
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	23	0.82
(1,3370)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	21	0.82
(1,3370)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	24	0.82
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	22	0.82
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	18	0.82
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	4	0.82
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	13	0.82
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	17	0.82
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	24	0.82
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	8	0.82
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	18	0.82
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	10	0.82
(1,3082)	1:127:A:ILE:HG22	1:87:A:PHE:HD2	11	0.82
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD1	14	0.82
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	3	0.82
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	19	0.82
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	16	0.82
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	6	0.82
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	22	0.82
(1,3048)	1:120:A:PRO:HB2	1:117:A:ARG:HA	2	0.82
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	18	0.82
(1,3037)	1:116:A:ALA:HB3	1:114:A:SER:H	3	0.82
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	17	0.82
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	6	0.82
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	18	0.82
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	10	0.82
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	21	0.82
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	5	0.82
(1,2926)	1:87:A:PHE:HB2	1:86:A:PRO:HB3	18	0.82
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	14	0.82
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	11	0.82
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	25	0.82
(1,2904)	1:79:A:ALA:HB2	1:76:A:MET:HA	23	0.82
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	14	0.82
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	1	0.82
(1,2876)	1:71:A:LEU:HD13	1:85:A:VAL:HB	13	0.82
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	2	0.82
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	6	0.82
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	19	0.82
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD2	22	0.82
(1,2725)	1:125:A:VAL:HG11	1:122:A:LYS:HG2	2	0.82
(1,2725)	1:125:A:VAL:HG12	1:122:A:LYS:HG2	16	0.82
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	3	0.82
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD21	8	0.82
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	9	0.82
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	4	0.82
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	24	0.82
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	7	0.82
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	19	0.82
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	7	0.82
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	7	0.82
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	22	0.82
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE21	3	0.82
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	19	0.82
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD23	1	0.82
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	8	0.82
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	3	0.82
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	16	0.82
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	14	0.82
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	25	0.82
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	3	0.82
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	10	0.82
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	23	0.82
(1,700)	1:66:A:LEU:HD23	1:65:A:LYS:HE2	1	0.82
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD23	4	0.82
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD21	6	0.82
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD21	13	0.82
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD21	23	0.82
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	11	0.82
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	21	0.82
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD21	8	0.82
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD22	12	0.82
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB2	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB2	12	0.82
(1,63)	1:133:A:VAL:HG23	1:136:A:ALA:HB1	21	0.82
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB1	12	0.82
(1,56)	1:73:A:LEU:HD13	1:116:A:ALA:HB1	18	0.82
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	2	0.81
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	17	0.81
(1,3494)	1:125:A:VAL:HG11	1:128:A:ASN:H	20	0.81
(1,3426)	1:107:A:ASN:H	1:109:A:LEU:HB3	16	0.81
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	5	0.81
(1,3192)	1:73:A:LEU:HD22	1:73:A:LEU:H	9	0.81
(1,3189)	1:66:A:LEU:H	1:62:A:GLU:HB3	15	0.81
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	4	0.81
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	12	0.81
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	21	0.81
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	6	0.81
(1,3090)	1:127:A:ILE:HD11	1:123:A:LEU:HB2	18	0.81
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	19	0.81
(1,3081)	1:127:A:ILE:HG22	1:129:A:GLU:H	15	0.81
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	2	0.81
(1,3072)	1:125:A:VAL:HG22	1:124:A:TYR:HA	25	0.81
(1,3070)	1:125:A:VAL:HG11	1:122:A:LYS:HE3	4	0.81
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	21	0.81
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	19	0.81
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	24	0.81
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	8	0.81
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	6	0.81
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	15	0.81
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	25	0.81
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	3	0.81
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	25	0.81
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	12	0.81
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	4	0.81
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	3	0.81
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	2	0.81
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	15	0.81
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	1	0.81
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	3	0.81
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	7	0.81
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	22	0.81
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	24	0.81
(1,2885)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	6	0.81
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	24	0.81
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	5	0.81
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	4	0.81
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG23	11	0.81
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	3	0.81
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	4	0.81
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	7	0.81
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	8	0.81
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	12	0.81
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD22	12	0.81
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	2	0.81
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	7	0.81
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	14	0.81
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	22	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	1	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	2	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	3	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	6	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	8	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	10	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	11	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	13	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	14	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	21	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	22	0.81
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	23	0.81
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	15	0.81
(1,1961)	1:65:A:LYS:H	1:61:A:LEU:HD21	21	0.81
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	15	0.81
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	18	0.81
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	12	0.81
(1,1801)	1:85:A:VAL:HG13	1:85:A:VAL:H	24	0.81
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	20	0.81
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	8	0.81
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	10	0.81
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	22	0.81
(1,1513)	1:125:A:VAL:HG12	1:122:A:LYS:HA	24	0.81
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	15	0.81
(1,1076)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	6	0.81
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	2	0.81
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	3	0.81
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	8	0.81
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	22	0.81
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	25	0.81
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	24	0.81
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	25	0.81
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD23	17	0.81
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	14	0.81
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	17	0.81
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	25	0.8
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	24	0.8
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	9	0.8
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	7	0.8
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	21	0.8
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	7	0.8
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	16	0.8
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	2	0.8
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	1	0.8
(1,3192)	1:73:A:LEU:HD22	1:73:A:LEU:H	4	0.8
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	6	0.8
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	7	0.8
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	16	0.8
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	12	0.8
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	2	0.8
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD13	6	0.8
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	10	0.8
(1,3157)	1:133:A:VAL:HG22	1:129:A:GLU:HG3	21	0.8
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	9	0.8
(1,3088)	1:74:A:CYS:HB2	1:127:A:ILE:HD12	19	0.8
(1,3081)	1:127:A:ILE:HG23	1:129:A:GLU:H	19	0.8
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	25	0.8
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	23	0.8
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	12	0.8
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	5	0.8
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	20	0.8
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	7	0.8
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	17	0.8
(1,3007)	1:108:A:ILE:HG23	1:134:A:LEU:H	2	0.8
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	6	0.8
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	8	0.8
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	2	0.8
(1,2988)	1:100:A:LEU:HD23	1:97:A:SER:HA	19	0.8
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	23	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	9	0.8
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	12	0.8
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	24	0.8
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	18	0.8
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	10	0.8
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	11	0.8
(1,2885)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	7	0.8
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	4	0.8
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	3	0.8
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	21	0.8
(1,2776)	1:130:A:LEU:HD13	1:108:A:ILE:HB	16	0.8
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG11	4	0.8
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	15	0.8
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	19	0.8
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	21	0.8
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	17	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	4	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	5	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	12	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	17	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	18	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	24	0.8
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	25	0.8
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	4	0.8
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	23	0.8
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	24	0.8
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	1	0.8
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	25	0.8
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	23	0.8
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	3	0.8
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	24	0.8
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD22	9	0.8
(1,1854)	1:101:A:ALA:H	1:100:A:LEU:HD21	19	0.8
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	13	0.8
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	23	0.8
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	19	0.8
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	1	0.8
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	2	0.8
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	3	0.8
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	6	0.8
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	7	0.8
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	16	0.8
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	17	0.8
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	7	0.8
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	18	0.8
(1,1076)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	7	0.8
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	8	0.8
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	1	0.8
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	19	0.8
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	20	0.8
(1,856)	1:79:A:ALA:HB1	1:78:A:THR:H	5	0.8
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	17	0.8
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	3	0.8
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	16	0.8
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD21	7	0.8
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD21	21	0.8
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	20	0.8
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB3	5	0.8
(1,63)	1:133:A:VAL:HG22	1:136:A:ALA:HB1	9	0.8
(1,56)	1:73:A:LEU:HD11	1:116:A:ALA:HB1	24	0.8
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	1	0.79
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	9	0.79
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	15	0.79
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	15	0.79
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	5	0.79
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	21	0.79
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	24	0.79
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	12	0.79
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	24	0.79
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	2	0.79
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	5	0.79
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	24	0.79
(1,3192)	1:73:A:LEU:HD22	1:73:A:LEU:H	8	0.79
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	13	0.79
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	15	0.79
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	17	0.79
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	11	0.79
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	9	0.79
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	22	0.79
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	15	0.79
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	20	0.79
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD1	3	0.79
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	22	0.79
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	3	0.79
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	10	0.79
(1,3041)	1:116:A:ALA:HB1	1:117:A:ARG:HB2	4	0.79
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	6	0.79
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	3	0.79
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	16	0.79
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	7	0.79
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	11	0.79
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	15	0.79
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	19	0.79
(1,2995)	1:101:A:ALA:HB3	1:102:A:SER:HA	1	0.79
(1,2970)	1:95:A:ALA:HB2	1:97:A:SER:HA	11	0.79
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	3	0.79
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	22	0.79
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	25	0.79
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	5	0.79
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	17	0.79
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	15	0.79
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	6	0.79
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	18	0.79
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	2	0.79
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	22	0.79
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	16	0.79
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG21	16	0.79
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	9	0.79
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	10	0.79
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	11	0.79
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	9	0.79
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD21	18	0.79
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG21	25	0.79
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	18	0.79
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	22	0.79
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	24	0.79
(1,2691)	1:59:A:TYR:HB3	1:59:A:TYR:HD1	6	0.79
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	24	0.79
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	18	0.79
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	15	0.79
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	16	0.79
(1,2592)	1:126:A:TYR:HB2	1:126:A:TYR:HD1	20	0.79
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	10	0.79
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	14	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	4	0.79
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	6	0.79
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	23	0.79
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	13	0.79
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	2	0.79
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	7	0.79
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	8	0.79
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	9	0.79
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	16	0.79
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	17	0.79
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	21	0.79
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	6	0.79
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	8	0.79
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	22	0.79
(1,1520)	1:125:A:VAL:HG22	1:122:A:LYS:HD2	18	0.79
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	17	0.79
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	15	0.79
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	16	0.79
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	17	0.79
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	8	0.79
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	16	0.79
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	4	0.79
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	5	0.79
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	9	0.79
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	10	0.79
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	11	0.79
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	15	0.79
(1,837)	1:77:A:GLN:HB3	1:74:A:CYS:HA	25	0.79
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD21	1	0.79
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD23	3	0.79
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD22	24	0.79
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	15	0.79
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	2	0.79
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	8	0.79
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	10	0.79
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	24	0.78
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	4	0.78
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	1	0.78
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	17	0.78
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	6	0.78
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	7	0.78
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	6	0.78
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	11	0.78
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	14	0.78
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	11	0.78
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	12	0.78
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	20	0.78
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	1	0.78
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	14	0.78
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	4	0.78
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	1	0.78
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	16	0.78
(1,3147)	1:85:A:VAL:HG12	1:88:A:LEU:HB3	18	0.78
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	20	0.78
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	24	0.78
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	19	0.78
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	21	0.78
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	6	0.78
(1,3082)	1:127:A:ILE:HG22	1:87:A:PHE:HD2	4	0.78
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	12	0.78
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	8	0.78
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	23	0.78
(1,3041)	1:116:A:ALA:HB1	1:117:A:ARG:HB2	25	0.78
(1,3031)	1:113:A:LEU:HD12	1:66:A:LEU:HB2	17	0.78
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	17	0.78
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	15	0.78
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	25	0.78
(1,2986)	1:100:A:LEU:HD23	1:105:A:PHE:HZ	9	0.78
(1,2970)	1:95:A:ALA:HB3	1:97:A:SER:HA	10	0.78
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	25	0.78
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	14	0.78
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	10	0.78
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	18	0.78
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG22	2	0.78
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	23	0.78
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	5	0.78
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	10	0.78
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	16	0.78
(1,2788)	1:78:A:THR:HG23	1:123:A:LEU:HG	17	0.78
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG22	22	0.78
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	23	0.78
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG23	23	0.78
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	12	0.78
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	24	0.78
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	6	0.78
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	23	0.78
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD22	25	0.78
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	20	0.78
(1,1867)	1:117:A:ARG:H	1:73:A:LEU:HD21	19	0.78
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	18	0.78
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	19	0.78
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	21	0.78
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	1	0.78
(1,1801)	1:85:A:VAL:HG13	1:85:A:VAL:H	3	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	6	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	10	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	11	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	12	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	14	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	15	0.78
(1,1801)	1:85:A:VAL:HG13	1:85:A:VAL:H	19	0.78
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	22	0.78
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	14	0.78
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	6	0.78
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	14	0.78
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	15	0.78
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	1	0.78
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	24	0.78
(1,1655)	1:135:A:LYS:HD2	1:135:A:LYS:H	22	0.78
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	18	0.78
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	14	0.78
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	25	0.78
(1,1419)	1:118:A:SER:HB2	1:119:A:ARG:HG3	17	0.78
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	5	0.78
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	9	0.78
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	10	0.78
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	23	0.78
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	14	0.78
(1,1194)	1:92:A:GLN:HG2	1:100:A:LEU:HD23	9	0.78
(1,929)	1:133:A:VAL:HG23	1:136:A:ALA:H	3	0.78
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD22	2	0.78
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD22	9	0.78
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD23	12	0.78
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD23	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD21	19	0.78
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	13	0.78
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	5	0.78
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	15	0.78
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	1	0.78
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	20	0.78
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD22	5	0.78
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD23	7	0.78
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	2	0.78
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	3	0.77
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	8	0.77
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	10	0.77
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	12	0.77
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	18	0.77
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	3	0.77
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	15	0.77
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	17	0.77
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	4	0.77
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	9	0.77
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	15	0.77
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	4	0.77
(1,3299)	1:76:A:MET:H	1:73:A:LEU:HB3	19	0.77
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	20	0.77
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	14	0.77
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	3	0.77
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	6	0.77
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	16	0.77
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	21	0.77
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	18	0.77
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	17	0.77
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	15	0.77
(1,3133)	1:139:A:ALA:HB2	1:95:A:ALA:HA	7	0.77
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	9	0.77
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	15	0.77
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	13	0.77
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	5	0.77
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	21	0.77
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	22	0.77
(1,3070)	1:125:A:VAL:HG11	1:122:A:LYS:HE3	17	0.77
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	23	0.77
(1,3069)	1:125:A:VAL:HG11	1:129:A:GLU:HA	24	0.77
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	2	0.77
(1,3057)	1:123:A:LEU:HD21	1:78:A:THR:H	3	0.77
(1,3057)	1:123:A:LEU:HD21	1:78:A:THR:H	16	0.77
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	14	0.77
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	12	0.77
(1,3013)	1:109:A:LEU:HD12	1:64:A:GLU:H	4	0.77
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	22	0.77
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	2	0.77
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG21	18	0.77
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG22	24	0.77
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	1	0.77
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	9	0.77
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	23	0.77
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	24	0.77
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	19	0.77
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	20	0.77
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	21	0.77
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	6	0.77
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	10	0.77
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	4	0.77
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	5	0.77
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	6	0.77
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	8	0.77
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	11	0.77
(1,2914)	1:84:A:VAL:HG22	1:87:A:PHE:HD1	7	0.77
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	1	0.77
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	2	0.77
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	23	0.77
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG23	20	0.77
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	1	0.77
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	4	0.77
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	8	0.77
(1,2886)	1:73:A:LEU:HD21	1:120:A:PRO:HB3	8	0.77
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	10	0.77
(1,2882)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	18	0.77
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	17	0.77
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	7	0.77
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	18	0.77
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	23	0.77
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD22	15	0.77
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	25	0.77
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG22	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG21	10	0.77
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG23	19	0.77
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG23	21	0.77
(1,2725)	1:125:A:VAL:HG11	1:122:A:LYS:HG2	5	0.77
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD23	2	0.77
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG13	22	0.77
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	3	0.77
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	6	0.77
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	7	0.77
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	1	0.77
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	17	0.77
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	1	0.77
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	6	0.77
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	12	0.77
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	24	0.77
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	1	0.77
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	2	0.77
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	14	0.77
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	3	0.77
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	7	0.77
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	18	0.77
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	4	0.77
(1,1801)	1:85:A:VAL:HG11	1:85:A:VAL:H	5	0.77
(1,1801)	1:85:A:VAL:HG13	1:85:A:VAL:H	18	0.77
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	20	0.77
(1,1801)	1:85:A:VAL:HG12	1:85:A:VAL:H	25	0.77
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	10	0.77
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	5	0.77
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	10	0.77
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	18	0.77
(1,1513)	1:125:A:VAL:HG12	1:122:A:LYS:HA	20	0.77
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	2	0.77
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	11	0.77
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	18	0.77
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	21	0.77
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	2	0.77
(1,1080)	1:91:A:ARG:HD3	1:135:A:LYS:HB3	10	0.77
(1,991)	1:88:A:LEU:HA	1:87:A:PHE:HB2	12	0.77
(1,757)	1:71:A:LEU:HD13	1:72:A:GLU:H	13	0.77
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD21	5	0.77
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD23	10	0.77
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD23	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD23	16	0.77
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	3	0.77
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	10	0.77
(1,301)	1:101:A:ALA:HB1	1:60:A:LYS:HB3	15	0.77
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	5	0.77
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	11	0.77
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	18	0.77
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	5	0.76
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	2	0.76
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	24	0.76
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	2	0.76
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	3	0.76
(1,3529)	1:136:A:ALA:H	1:135:A:LYS:HE3	16	0.76
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	24	0.76
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	25	0.76
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	9	0.76
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	12	0.76
(1,3456)	1:113:A:LEU:HD13	1:114:A:SER:H	15	0.76
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	4	0.76
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	9	0.76
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	9	0.76
(1,3305)	1:77:A:GLN:H	1:123:A:LEU:HD12	19	0.76
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	24	0.76
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	7	0.76
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	9	0.76
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	5	0.76
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	14	0.76
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	22	0.76
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	25	0.76
(1,3141)	1:141:A:LYS:HA	1:141:A:LYS:HD3	9	0.76
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	18	0.76
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	2	0.76
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	10	0.76
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	1	0.76
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	1	0.76
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	16	0.76
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	12	0.76
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	23	0.76
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	9	0.76
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	11	0.76
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	9	0.76
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	18	0.76
(1,3007)	1:108:A:ILE:HG23	1:134:A:LEU:H	19	0.76
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	21	0.76
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	19	0.76
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	5	0.76
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	9	0.76
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	12	0.76
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	24	0.76
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	9	0.76
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	16	0.76
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	20	0.76
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	17	0.76
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	3	0.76
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	20	0.76
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	21	0.76
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	7	0.76
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	2	0.76
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	12	0.76
(1,2882)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	8	0.76
(1,2882)	1:71:A:LEU:HD22	1:67:A:PHE:HE1	23	0.76
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	15	0.76
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	7	0.76
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	12	0.76
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	14	0.76
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	1	0.76
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	10	0.76
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	11	0.76
(1,2744)	1:140:A:LYS:HD3	1:140:A:LYS:HG2	8	0.76
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	25	0.76
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	12	0.76
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	22	0.76
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	23	0.76
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	13	0.76
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	6	0.76
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	13	0.76
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	14	0.76
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	23	0.76
(1,1861)	1:113:A:LEU:HD22	1:114:A:SER:H	7	0.76
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	9	0.76
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	13	0.76
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	25	0.76
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	13	0.76
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	15	0.76
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	19	0.76
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	22	0.76
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	3	0.76
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	20	0.76
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	23	0.76
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	6	0.76
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	16	0.76
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD12	24	0.76
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD12	19	0.76
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	15	0.76
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	19	0.76
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	8	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	8	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	12	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	20	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	22	0.76
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	25	0.76
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	20	0.76
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	21	0.76
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	2	0.76
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	12	0.76
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	15	0.76
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	19	0.76
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	17	0.76
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	6	0.76
(1,929)	1:133:A:VAL:HG23	1:136:A:ALA:H	15	0.76
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	3	0.76
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	23	0.76
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	1	0.76
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD22	20	0.76
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD22	25	0.76
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	9	0.76
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	23	0.76
(1,364)	1:61:A:LEU:HD11	1:61:A:LEU:HB2	21	0.76
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	8	0.76
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	22	0.76
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	24	0.76
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD23	1	0.76
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	21	0.75
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	12	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	13	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	14	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	21	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	23	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	25	0.75
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	7	0.75
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	6	0.75
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	22	0.75
(1,3571)	1:116:A:ALA:HB2	1:126:A:TYR:HE2	25	0.75
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	24	0.75
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	2	0.75
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	6	0.75
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	14	0.75
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	20	0.75
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	8	0.75
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	1	0.75
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	25	0.75
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	5	0.75
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	8	0.75
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG12	19	0.75
(1,3192)	1:73:A:LEU:HD21	1:73:A:LEU:H	10	0.75
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	15	0.75
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	18	0.75
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	23	0.75
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	1	0.75
(1,3133)	1:139:A:ALA:HB2	1:95:A:ALA:HA	9	0.75
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	1	0.75
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	9	0.75
(1,3090)	1:127:A:ILE:HD12	1:123:A:LEU:HB2	7	0.75
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	2	0.75
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	12	0.75
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	14	0.75
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	22	0.75
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	22	0.75
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	21	0.75
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	1	0.75
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	21	0.75
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	7	0.75
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	18	0.75
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	3	0.75
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	22	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	19	0.75
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	3	0.75
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD13	15	0.75
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	6	0.75
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	10	0.75
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	10	0.75
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	2	0.75
(1,2940)	1:88:A:LEU:HD11	1:130:A:LEU:HB3	3	0.75
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	4	0.75
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	19	0.75
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	12	0.75
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	19	0.75
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	8	0.75
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	6	0.75
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	15	0.75
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	9	0.75
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	16	0.75
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	22	0.75
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	25	0.75
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	13	0.75
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	17	0.75
(1,2882)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	5	0.75
(1,2882)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	7	0.75
(1,2882)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	17	0.75
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	4	0.75
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	10	0.75
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	11	0.75
(1,2876)	1:71:A:LEU:HD11	1:85:A:VAL:HB	24	0.75
(1,2875)	1:71:A:LEU:HD13	1:75:A:LYS:HE2	9	0.75
(1,2857)	1:65:A:LYS:HA	1:61:A:LEU:HD23	24	0.75
(1,2826)	1:113:A:LEU:HD11	1:113:A:LEU:HA	8	0.75
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG21	12	0.75
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG21	16	0.75
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	3	0.75
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	5	0.75
(1,2752)	1:88:A:LEU:HD23	1:71:A:LEU:HD23	18	0.75
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	22	0.75
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	25	0.75
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	10	0.75
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG2	19	0.75
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	7	0.75
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	18	0.75
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	22	0.75
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	3	0.75
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	9	0.75
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	24	0.75
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	5	0.75
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	24	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	4	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	7	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	10	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	16	0.75
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	18	0.75
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	2	0.75
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	10	0.75
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	24	0.75
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	24	0.75
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	14	0.75
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	1	0.75
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	13	0.75
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	4	0.75
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD13	13	0.75
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	17	0.75
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	12	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	1	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	3	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	6	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	7	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD11	13	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	14	0.75
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	19	0.75
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	20	0.75
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	3	0.75
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	13	0.75
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	10	0.75
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	12	0.75
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	15	0.75
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	7	0.75
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	8	0.75
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	10	0.75
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	24	0.75
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	1	0.75
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:71:A:LEU:HD13	1:72:A:GLU:H	9	0.75
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	15	0.75
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD13	6	0.75
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	18	0.75
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD13	22	0.75
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	12	0.75
(1,362)	1:98:A:LEU:HB2	1:98:A:LEU:HD11	16	0.75
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	15	0.75
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	17	0.75
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD23	13	0.75
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	3	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	7	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	9	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	11	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	15	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	16	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	18	0.74
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	20	0.74
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	9	0.74
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	23	0.74
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	13	0.74
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	20	0.74
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	25	0.74
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	14	0.74
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	17	0.74
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	11	0.74
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	23	0.74
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	25	0.74
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	15	0.74
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	11	0.74
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	2	0.74
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	8	0.74
(1,3157)	1:133:A:VAL:HG21	1:129:A:GLU:HG3	16	0.74
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	7	0.74
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	9	0.74
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	13	0.74
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	17	0.74
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	21	0.74
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	8	0.74
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB3	25	0.74
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	7	0.74
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	16	0.74
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	17	0.74
(1,3072)	1:125:A:VAL:HG21	1:124:A:TYR:HA	2	0.74
(1,3072)	1:125:A:VAL:HG22	1:124:A:TYR:HA	13	0.74
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	4	0.74
(1,3057)	1:123:A:LEU:HD21	1:78:A:THR:H	18	0.74
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	13	0.74
(1,3037)	1:116:A:ALA:HB2	1:123:A:LEU:H	22	0.74
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	1	0.74
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	23	0.74
(1,3019)	1:66:A:LEU:HD11	1:110:A:SER:HB2	7	0.74
(1,3013)	1:109:A:LEU:HD11	1:64:A:GLU:H	8	0.74
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	23	0.74
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	14	0.74
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	10	0.74
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	13	0.74
(1,2988)	1:100:A:LEU:HD21	1:97:A:SER:HA	2	0.74
(1,2968)	1:95:A:ALA:HB1	1:134:A:LEU:HB2	24	0.74
(1,2962)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	9	0.74
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	1	0.74
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	13	0.74
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	16	0.74
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	16	0.74
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	10	0.74
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	15	0.74
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	12	0.74
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	10	0.74
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	17	0.74
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	19	0.74
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	20	0.74
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	21	0.74
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	10	0.74
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	19	0.74
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	7	0.74
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	9	0.74
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	22	0.74
(1,2876)	1:71:A:LEU:HD12	1:85:A:VAL:HB	3	0.74
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	22	0.74
(1,2845)	1:141:A:LYS:HE2	1:138:A:SER:HB2	9	0.74
(1,2788)	1:78:A:THR:HG21	1:123:A:LEU:HG	5	0.74
(1,2766)	1:113:A:LEU:HD21	1:70:A:PHE:HA	7	0.74
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2766)	1:113:A:LEU:HD21	1:70:A:PHE:HA	22	0.74
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	17	0.74
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	6	0.74
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	22	0.74
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	25	0.74
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	18	0.74
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	19	0.74
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	25	0.74
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	3	0.74
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	24	0.74
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	3	0.74
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	13	0.74
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	2	0.74
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	9	0.74
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	25	0.74
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	8	0.74
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	15	0.74
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	20	0.74
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	9	0.74
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	1	0.74
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	11	0.74
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	4	0.74
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD11	10	0.74
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD11	2	0.74
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	4	0.74
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	11	0.74
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	19	0.74
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD12	4	0.74
(1,1310)	1:109:A:LEU:HA	1:109:A:LEU:HD13	24	0.74
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	4	0.74
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	1	0.74
(1,1112)	1:94:A:ARG:HD2	1:94:A:ARG:H	16	0.74
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	7	0.74
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	17	0.74
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	9	0.74
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	12	0.74
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	8	0.74
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	11	0.74
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	11	0.74
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	15	0.74
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	24	0.74
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	9	0.74
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	10	0.74
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	2	0.74
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	18	0.74
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	2	0.74
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	13	0.74
(1,63)	1:133:A:VAL:HG21	1:136:A:ALA:HB2	14	0.74
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	12	0.73
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	20	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	1	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	4	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	5	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	6	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	8	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	10	0.73
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	17	0.73
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	11	0.73
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	2	0.73
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	14	0.73
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	13	0.73
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	1	0.73
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	7	0.73
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	18	0.73
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	24	0.73
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	14	0.73
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	18	0.73
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	20	0.73
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	8	0.73
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	2	0.73
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	7	0.73
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG22	10	0.73
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	23	0.73
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	15	0.73
(1,3072)	1:125:A:VAL:HG21	1:123:A:LEU:HA	7	0.73
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	5	0.73
(1,3069)	1:125:A:VAL:HG11	1:129:A:GLU:HA	16	0.73
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	25	0.73
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	17	0.73
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	1	0.73
(1,3037)	1:116:A:ALA:HB2	1:123:A:LEU:H	20	0.73
(1,3031)	1:113:A:LEU:HD12	1:66:A:LEU:HB2	10	0.73
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3031)	1:113:A:LEU:HD12	1:66:A:LEU:HB2	22	0.73
(1,3013)	1:109:A:LEU:HD13	1:64:A:GLU:H	13	0.73
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	13	0.73
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	4	0.73
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	6	0.73
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	9	0.73
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	15	0.73
(1,2954)	1:94:A:ARG:HD3	1:90:A:ASN:H	16	0.73
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	24	0.73
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	11	0.73
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	5	0.73
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	1	0.73
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	17	0.73
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	8	0.73
(1,2913)	1:84:A:VAL:HG13	1:82:A:PRO:HA	11	0.73
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	16	0.73
(1,2911)	1:84:A:VAL:HA	1:78:A:THR:HG21	13	0.73
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	2	0.73
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	3	0.73
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	12	0.73
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	6	0.73
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	24	0.73
(1,2888)	1:73:A:LEU:HD23	1:70:A:PHE:HB2	5	0.73
(1,2885)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	24	0.73
(1,2882)	1:71:A:LEU:HD23	1:67:A:PHE:HE1	3	0.73
(1,2882)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	11	0.73
(1,2882)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	14	0.73
(1,2882)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	22	0.73
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	1	0.73
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	12	0.73
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	15	0.73
(1,2776)	1:130:A:LEU:HD11	1:108:A:ILE:HB	17	0.73
(1,2776)	1:130:A:LEU:HD12	1:108:A:ILE:HB	20	0.73
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	1	0.73
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	24	0.73
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	2	0.73
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	3	0.73
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	13	0.73
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG2	17	0.73
(1,2725)	1:125:A:VAL:HG11	1:122:A:LYS:HG2	4	0.73
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD23	25	0.73
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	19	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	25	0.73
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	5	0.73
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	9	0.73
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	1	0.73
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	4	0.73
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	11	0.73
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	16	0.73
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	4	0.73
(1,2018)	1:72:A:GLU:HG2	1:73:A:LEU:H	22	0.73
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	9	0.73
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	11	0.73
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	16	0.73
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	1	0.73
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	3	0.73
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	13	0.73
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	15	0.73
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	4	0.73
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	6	0.73
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	11	0.73
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	12	0.73
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	16	0.73
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	23	0.73
(1,1770)	1:64:A:GLU:HG2	1:60:A:LYS:HE3	3	0.73
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	7	0.73
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	21	0.73
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	1	0.73
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	6	0.73
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	8	0.73
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	10	0.73
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	18	0.73
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	17	0.73
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	17	0.73
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	19	0.73
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD12	18	0.73
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD13	13	0.73
(1,1584)	1:130:A:LEU:HD13	1:130:A:LEU:H	2	0.73
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	1	0.73
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	17	0.73
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	22	0.73
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	24	0.73
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	25	0.73
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	9	0.73
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	16	0.73
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	8	0.73
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	11	0.73
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	14	0.73
(1,856)	1:79:A:ALA:HB1	1:78:A:THR:H	1	0.73
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	11	0.73
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	5	0.73
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	4	0.73
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	11	0.73
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	21	0.73
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	17	0.73
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	19	0.73
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD21	9	0.73
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	2	0.72
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	15	0.72
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	19	0.72
(1,3578)	1:70:A:PHE:HB3	1:70:A:PHE:HE1	22	0.72
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	19	0.72
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	18	0.72
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	10	0.72
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	11	0.72
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	16	0.72
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	17	0.72
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	21	0.72
(1,3322)	1:80:A:ASP:H	1:77:A:GLN:HB2	12	0.72
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	25	0.72
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	19	0.72
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	6	0.72
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	10	0.72
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	12	0.72
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	3	0.72
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	15	0.72
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD12	22	0.72
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	17	0.72
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	11	0.72
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	14	0.72
(1,3144)	1:85:A:VAL:HG21	1:78:A:THR:H	19	0.72
(1,3141)	1:140:A:LYS:HD3	1:140:A:LYS:HA	1	0.72
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	3	0.72
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	21	0.72
(1,3134)	1:139:A:ALA:HB2	1:97:A:SER:HB2	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	3	0.72
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	5	0.72
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	7	0.72
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	17	0.72
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	25	0.72
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	4	0.72
(1,3057)	1:123:A:LEU:HD21	1:78:A:THR:H	1	0.72
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	10	0.72
(1,3041)	1:116:A:ALA:HB1	1:117:A:ARG:HB2	16	0.72
(1,3019)	1:66:A:LEU:HD11	1:110:A:SER:HB2	22	0.72
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	19	0.72
(1,3005)	1:108:A:ILE:HG12	1:112:A:VAL:HG23	9	0.72
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	7	0.72
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	13	0.72
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	19	0.72
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	23	0.72
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	9	0.72
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	11	0.72
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	20	0.72
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	16	0.72
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	19	0.72
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	4	0.72
(1,2913)	1:84:A:VAL:HG11	1:82:A:PRO:HA	7	0.72
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	11	0.72
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	15	0.72
(1,2882)	1:71:A:LEU:HD22	1:67:A:PHE:HE1	1	0.72
(1,2882)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	15	0.72
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	14	0.72
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	1	0.72
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	2	0.72
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	3	0.72
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	25	0.72
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	1	0.72
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG23	20	0.72
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	11	0.72
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	12	0.72
(1,2744)	1:141:A:LYS:HD3	1:141:A:LYS:HG3	14	0.72
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	15	0.72
(1,2744)	1:141:A:LYS:HD3	1:141:A:LYS:HG3	23	0.72
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	17	0.72
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	7	0.72
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	21	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	11	0.72
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	2	0.72
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	20	0.72
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	22	0.72
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	13	0.72
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	14	0.72
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB3	22	0.72
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	5	0.72
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	10	0.72
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	11	0.72
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	12	0.72
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	14	0.72
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	21	0.72
(1,1861)	1:113:A:LEU:HD22	1:114:A:SER:H	22	0.72
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	21	0.72
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	2	0.72
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	1	0.72
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	5	0.72
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	14	0.72
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	20	0.72
(1,1804)	1:127:A:ILE:HG21	1:127:A:ILE:H	21	0.72
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	25	0.72
(1,1747)	1:104:A:GLU:HG2	1:105:A:PHE:H	24	0.72
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	16	0.72
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	17	0.72
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	21	0.72
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	12	0.72
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	11	0.72
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	24	0.72
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	13	0.72
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	14	0.72
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	20	0.72
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	17	0.72
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	20	0.72
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD12	18	0.72
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD12	25	0.72
(1,1513)	1:125:A:VAL:HG11	1:122:A:LYS:HA	5	0.72
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	3	0.72
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	11	0.72
(1,1205)	1:101:A:ALA:HB3	1:60:A:LYS:HG3	7	0.72
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	14	0.72
(1,1194)	1:92:A:GLN:HG2	1:100:A:LEU:HD23	25	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	12	0.72
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	4	0.72
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	18	0.72
(1,929)	1:133:A:VAL:HG23	1:136:A:ALA:H	21	0.72
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	23	0.72
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	6	0.72
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	19	0.72
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	3	0.72
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	20	0.72
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	16	0.72
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	17	0.72
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	18	0.72
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	6	0.72
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	16	0.72
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	19	0.72
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	17	0.72
(1,695)	1:109:A:LEU:HD13	1:66:A:LEU:HD23	18	0.72
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	19	0.72
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	4	0.72
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	9	0.72
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	4	0.72
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	23	0.71
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	17	0.71
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	24	0.71
(1,3498)	1:125:A:VAL:HG21	1:128:A:ASN:HD22	16	0.71
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	1	0.71
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	10	0.71
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	3	0.71
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	9	0.71
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	12	0.71
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	17	0.71
(1,3192)	1:73:A:LEU:HD23	1:73:A:LEU:H	22	0.71
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	4	0.71
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	5	0.71
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	6	0.71
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	5	0.71
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	10	0.71
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	14	0.71
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	10	0.71
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	10	0.71
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	12	0.71
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	25	0.71
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	2	0.71
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	9	0.71
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	16	0.71
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	2	0.71
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	17	0.71
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	3	0.71
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	1	0.71
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	1	0.71
(1,2940)	1:88:A:LEU:HD12	1:130:A:LEU:HB3	12	0.71
(1,2940)	1:88:A:LEU:HD13	1:130:A:LEU:HB3	23	0.71
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	21	0.71
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	24	0.71
(1,2913)	1:84:A:VAL:HG12	1:82:A:PRO:HA	24	0.71
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	13	0.71
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	5	0.71
(1,2882)	1:71:A:LEU:HD22	1:67:A:PHE:HE1	4	0.71
(1,2882)	1:71:A:LEU:HD22	1:67:A:PHE:HE1	20	0.71
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	5	0.71
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	8	0.71
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	11	0.71
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	6	0.71
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	24	0.71
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	22	0.71
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	17	0.71
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG21	10	0.71
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	20	0.71
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB2	12	0.71
(1,2738)	1:101:A:ALA:HB2	1:58:A:CYS:HB3	16	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	1	0.71
(1,2713)	1:54:A:MET:HE1	1:54:A:MET:HE3	2	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	3	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE1	4	0.71
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE1	5	0.71
(1,2713)	1:54:A:MET:HE1	1:54:A:MET:HE3	6	0.71
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE3	7	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE3	8	0.71
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE3	9	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	10	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	11	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	12	0.71
(1,2713)	1:54:A:MET:HE1	1:54:A:MET:HE3	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE3	14	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE3	15	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	16	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE1	17	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE1	18	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE3	19	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	20	0.71
(1,2713)	1:54:A:MET:HE1	1:54:A:MET:HE3	21	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	22	0.71
(1,2713)	1:76:A:MET:HE1	1:76:A:MET:HE3	23	0.71
(1,2713)	1:76:A:MET:HE2	1:76:A:MET:HE1	24	0.71
(1,2713)	1:54:A:MET:HE2	1:54:A:MET:HE1	25	0.71
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG12	11	0.71
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	17	0.71
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	5	0.71
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	12	0.71
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	15	0.71
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	21	0.71
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	13	0.71
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	8	0.71
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	13	0.71
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	13	0.71
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB1	10	0.71
(1,1861)	1:113:A:LEU:HD22	1:114:A:SER:H	6	0.71
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	9	0.71
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	5	0.71
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	22	0.71
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	24	0.71
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	8	0.71
(1,1804)	1:127:A:ILE:HG22	1:127:A:ILE:H	15	0.71
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	19	0.71
(1,1721)	1:85:A:VAL:HG13	1:89:A:TYR:HE2	18	0.71
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	11	0.71
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD13	7	0.71
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD13	22	0.71
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	1	0.71
(1,1511)	1:125:A:VAL:HG11	1:128:A:ASN:H	24	0.71
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	20	0.71
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	1	0.71
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	5	0.71
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	9	0.71
(1,929)	1:133:A:VAL:HG23	1:136:A:ALA:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	8	0.71
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	13	0.71
(1,929)	1:133:A:VAL:HG23	1:136:A:ALA:H	24	0.71
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	4	0.71
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	10	0.71
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	17	0.71
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	25	0.71
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	1	0.71
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	7	0.71
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	18	0.71
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	21	0.71
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	1	0.71
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	23	0.71
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	2	0.71
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	12	0.71
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	13	0.71
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	18	0.71
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	15	0.71
(1,757)	1:71:A:LEU:HD13	1:72:A:GLU:H	5	0.71
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	14	0.71
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	20	0.71
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	2	0.71
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	11	0.71
(1,695)	1:109:A:LEU:HD11	1:66:A:LEU:HD22	22	0.71
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	5	0.71
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	16	0.71
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	17	0.71
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	23	0.71
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	19	0.71
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	22	0.71
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	6	0.71
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD22	21	0.71
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	6	0.7
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	20	0.7
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	13	0.7
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB1	17	0.7
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	2	0.7
(1,3456)	1:113:A:LEU:HD23	1:114:A:SER:H	8	0.7
(1,3456)	1:113:A:LEU:HD13	1:114:A:SER:H	17	0.7
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	11	0.7
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	23	0.7
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3370)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	1	0.7
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	6	0.7
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	19	0.7
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	7	0.7
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	20	0.7
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	14	0.7
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	17	0.7
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	13	0.7
(1,3157)	1:133:A:VAL:HG22	1:129:A:GLU:HG3	24	0.7
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	8	0.7
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	12	0.7
(1,3147)	1:85:A:VAL:HG11	1:88:A:LEU:HB3	23	0.7
(1,3134)	1:139:A:ALA:HB1	1:97:A:SER:HB2	6	0.7
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	11	0.7
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	12	0.7
(1,3109)	1:133:A:VAL:HA	1:108:A:ILE:HD12	1	0.7
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	8	0.7
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	21	0.7
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	1	0.7
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD22	11	0.7
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	7	0.7
(1,3070)	1:125:A:VAL:HG12	1:122:A:LYS:HE3	24	0.7
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	15	0.7
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	21	0.7
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	6	0.7
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	14	0.7
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	19	0.7
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	2	0.7
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	5	0.7
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	8	0.7
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	11	0.7
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	16	0.7
(1,2985)	1:134:A:LEU:HD11	1:91:A:ARG:HA	10	0.7
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	24	0.7
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	13	0.7
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	13	0.7
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	22	0.7
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	25	0.7
(1,2914)	1:84:A:VAL:HG22	1:87:A:PHE:HD1	14	0.7
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	5	0.7
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	12	0.7
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	23	0.7
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	12	0.7
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG21	23	0.7
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	8	0.7
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	14	0.7
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	18	0.7
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG23	3	0.7
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG21	12	0.7
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	14	0.7
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	21	0.7
(1,2744)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	5	0.7
(1,2744)	1:140:A:LYS:HD3	1:140:A:LYS:HG2	9	0.7
(1,2744)	1:142:A:LYS:HD3	1:142:A:LYS:HG2	22	0.7
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	9	0.7
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG11	2	0.7
(1,2723)	1:130:A:LEU:HG	1:112:A:VAL:HG12	15	0.7
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG13	7	0.7
(1,2650)	1:71:A:LEU:HD12	1:89:A:TYR:HD1	23	0.7
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	10	0.7
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	15	0.7
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	14	0.7
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	10	0.7
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	20	0.7
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	11	0.7
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD13	19	0.7
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	6	0.7
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	17	0.7
(1,1804)	1:127:A:ILE:HG23	1:127:A:ILE:H	22	0.7
(1,1721)	1:85:A:VAL:HG11	1:89:A:TYR:HE2	4	0.7
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	12	0.7
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	19	0.7
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	24	0.7
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	12	0.7
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	23	0.7
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	25	0.7
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	4	0.7
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	13	0.7
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	25	0.7
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD12	23	0.7
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD12	6	0.7
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	24	0.7
(1,1513)	1:125:A:VAL:HG12	1:122:A:LYS:HA	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	4	0.7
(1,1510)	1:125:A:VAL:HG11	1:127:A:ILE:H	16	0.7
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	11	0.7
(1,1204)	1:101:A:ALA:HB2	1:63:A:ASN:HD22	10	0.7
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	24	0.7
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	5	0.7
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	25	0.7
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	16	0.7
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	2	0.7
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	19	0.7
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	20	0.7
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	21	0.7
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	16	0.7
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	17	0.7
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	24	0.7
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	3	0.7
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	4	0.7
(1,856)	1:79:A:ALA:HB1	1:78:A:THR:H	9	0.7
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	13	0.7
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	11	0.7
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	14	0.7
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	20	0.7
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	21	0.7
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	1	0.7
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	6	0.7
(1,773)	1:71:A:LEU:HD13	1:72:A:GLU:HG2	13	0.7
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	7	0.7
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	12	0.7
(1,757)	1:71:A:LEU:HD13	1:72:A:GLU:H	18	0.7
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	24	0.7
(1,695)	1:109:A:LEU:HD12	1:66:A:LEU:HD23	8	0.7
(1,551)	1:117:A:ARG:HA	1:117:A:ARG:HG3	15	0.7
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	13	0.7
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	20	0.7
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	15	0.7
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	12	0.7
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	12	0.7
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	6	0.69
(1,3579)	1:130:A:LEU:HD22	1:70:A:PHE:HE1	19	0.69
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	16	0.69
(1,3571)	1:116:A:ALA:HB2	1:126:A:TYR:HE2	11	0.69
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	23	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3494)	1:125:A:VAL:HG12	1:128:A:ASN:H	7	0.69
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	4	0.69
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	21	0.69
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	18	0.69
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	15	0.69
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	17	0.69
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	9	0.69
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	16	0.69
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	19	0.69
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	6	0.69
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	20	0.69
(1,3188)	1:62:A:GLU:H	1:61:A:LEU:HD11	21	0.69
(1,3157)	1:133:A:VAL:HG23	1:129:A:GLU:HG3	11	0.69
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	4	0.69
(1,3147)	1:85:A:VAL:HG12	1:88:A:LEU:HB3	19	0.69
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	4	0.69
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	23	0.69
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	20	0.69
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	9	0.69
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD23	1	0.69
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	13	0.69
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	12	0.69
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	16	0.69
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	23	0.69
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	1	0.69
(1,3041)	1:116:A:ALA:HB1	1:117:A:ARG:HB2	11	0.69
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	19	0.69
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	19	0.69
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	2	0.69
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	6	0.69
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	12	0.69
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	25	0.69
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	14	0.69
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	7	0.69
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	17	0.69
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	2	0.69
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	13	0.69
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	25	0.69
(1,2882)	1:71:A:LEU:HD23	1:67:A:PHE:HE1	12	0.69
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	16	0.69
(1,2882)	1:71:A:LEU:HD22	1:67:A:PHE:HE1	25	0.69
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG21	23	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG22	1	0.69
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG23	6	0.69
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG22	9	0.69
(1,2788)	1:78:A:THR:HG21	1:123:A:LEU:HG	15	0.69
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	4	0.69
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	19	0.69
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	2	0.69
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	4	0.69
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	9	0.69
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	20	0.69
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG23	22	0.69
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	7	0.69
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	8	0.69
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	23	0.69
(1,2744)	1:141:A:LYS:HD3	1:141:A:LYS:HG2	4	0.69
(1,2725)	1:125:A:VAL:HG11	1:122:A:LYS:HG2	11	0.69
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	20	0.69
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	14	0.69
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG11	1	0.69
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	10	0.69
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	19	0.69
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	2	0.69
(1,2640)	1:98:A:LEU:HB3	1:96:A:HIS:HE1	8	0.69
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	19	0.69
(1,2018)	1:72:A:GLU:HG2	1:73:A:LEU:H	25	0.69
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	3	0.69
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	11	0.69
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	15	0.69
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	17	0.69
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD12	17	0.69
(1,1857)	1:110:A:SER:H	1:109:A:LEU:HD11	23	0.69
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB3	2	0.69
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	12	0.69
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	21	0.69
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	2	0.69
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	15	0.69
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	21	0.69
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD11	8	0.69
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD12	14	0.69
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	17	0.69
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	23	0.69
(1,1467)	1:122:A:LYS:HE2	1:122:A:LYS:HG3	18	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	15	0.69
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	14	0.69
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	11	0.69
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	5	0.69
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	9	0.69
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	20	0.69
(1,1112)	1:94:A:ARG:HD2	1:94:A:ARG:H	20	0.69
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	18	0.69
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	1	0.69
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	14	0.69
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	16	0.69
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	17	0.69
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	22	0.69
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	1	0.69
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	2	0.69
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	3	0.69
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	22	0.69
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	23	0.69
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	4	0.69
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	5	0.69
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	8	0.69
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	3	0.69
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	4	0.69
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	25	0.69
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	18	0.69
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	22	0.69
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	11	0.69
(1,777)	1:72:A:GLU:HG2	1:71:A:LEU:H	22	0.69
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	6	0.69
(1,773)	1:71:A:LEU:HD13	1:72:A:GLU:HG2	9	0.69
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	3	0.69
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	4	0.69
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	8	0.69
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	10	0.69
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	21	0.69
(1,551)	1:117:A:ARG:HA	1:117:A:ARG:HG3	3	0.69
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	25	0.69
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	3	0.69
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	9	0.69
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	19	0.69
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	11	0.69
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD21	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:78:A:THR:HG23	1:77:A:GLN:HB3	9	0.69
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	16	0.68
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	6	0.68
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	25	0.68
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	12	0.68
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	9	0.68
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	20	0.68
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	22	0.68
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	4	0.68
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	10	0.68
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	11	0.68
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	21	0.68
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	10	0.68
(1,3314)	1:77:A:GLN:HE22	1:123:A:LEU:HB2	22	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	4	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	5	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	6	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	8	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	9	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	10	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	12	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	14	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	17	0.68
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	21	0.68
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	2	0.68
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	8	0.68
(1,3191)	1:71:A:LEU:H	1:72:A:GLU:HB2	5	0.68
(1,3147)	1:85:A:VAL:HG13	1:88:A:LEU:HB3	10	0.68
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	16	0.68
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG21	21	0.68
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	16	0.68
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	11	0.68
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	12	0.68
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	24	0.68
(1,3057)	1:123:A:LEU:HD21	1:78:A:THR:H	17	0.68
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	2	0.68
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	22	0.68
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	4	0.68
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	5	0.68
(1,3031)	1:113:A:LEU:HD11	1:66:A:LEU:HB2	20	0.68
(1,3019)	1:66:A:LEU:HD12	1:110:A:SER:HB2	13	0.68
(1,3019)	1:66:A:LEU:HD12	1:110:A:SER:HB2	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	21	0.68
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	8	0.68
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	9	0.68
(1,2970)	1:95:A:ALA:HB1	1:97:A:SER:HA	9	0.68
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	17	0.68
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	24	0.68
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	1	0.68
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	11	0.68
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	19	0.68
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	16	0.68
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	22	0.68
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	21	0.68
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	10	0.68
(1,2904)	1:79:A:ALA:HB3	1:80:A:ASP:HA	2	0.68
(1,2904)	1:79:A:ALA:HB3	1:80:A:ASP:HA	9	0.68
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	16	0.68
(1,2885)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	13	0.68
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	6	0.68
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	2	0.68
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	18	0.68
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	20	0.68
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG22	3	0.68
(1,2862)	1:66:A:LEU:HD13	1:62:A:GLU:HB2	22	0.68
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	20	0.68
(1,2766)	1:113:A:LEU:HD21	1:70:A:PHE:HA	16	0.68
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG23	20	0.68
(1,2752)	1:88:A:LEU:HD23	1:71:A:LEU:HD23	15	0.68
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	16	0.68
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	20	0.68
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	16	0.68
(1,2744)	1:140:A:LYS:HD2	1:140:A:LYS:HG3	21	0.68
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	24	0.68
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	1	0.68
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	7	0.68
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	13	0.68
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG13	5	0.68
(1,2704)	1:88:A:LEU:HD21	1:84:A:VAL:HG13	13	0.68
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	8	0.68
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	12	0.68
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	2	0.68
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	10	0.68
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD3	24	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	17	0.68
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	8	0.68
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	21	0.68
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	25	0.68
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	8	0.68
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	15	0.68
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	22	0.68
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	1	0.68
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	11	0.68
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	23	0.68
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD12	19	0.68
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	20	0.68
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD13	12	0.68
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	8	0.68
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	19	0.68
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	12	0.68
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	4	0.68
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	13	0.68
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	1	0.68
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	21	0.68
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	13	0.68
(1,931)	1:133:A:VAL:HG21	1:99:A:PHE:HZ	3	0.68
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	20	0.68
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	5	0.68
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	23	0.68
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	21	0.68
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	19	0.68
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	22	0.68
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	4	0.68
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	2	0.68
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	11	0.68
(1,773)	1:71:A:LEU:HD13	1:72:A:GLU:HG2	18	0.68
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	25	0.68
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	14	0.68
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	23	0.68
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	15	0.68
(1,258)	1:100:A:LEU:HD21	1:100:A:LEU:HB2	12	0.68
(1,258)	1:100:A:LEU:HD21	1:100:A:LEU:HB2	13	0.68
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	25	0.68
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	8	0.68
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD22	20	0.68
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	13	0.67
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	17	0.67
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	25	0.67
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	5	0.67
(1,3464)	1:123:A:LEU:HD23	1:122:A:LYS:H	16	0.67
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	7	0.67
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	9	0.67
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	22	0.67
(1,3357)	1:90:A:ASN:HD22	1:135:A:LYS:HB2	13	0.67
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	16	0.67
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	13	0.67
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	1	0.67
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	6	0.67
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	11	0.67
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	22	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	1	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	7	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	11	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	15	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	20	0.67
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	25	0.67
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	20	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	3	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	4	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	5	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	7	0.67
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	9	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	10	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	12	0.67
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	22	0.67
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	4	0.67
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	20	0.67
(1,3175)	1:119:A:ARG:HG3	1:119:A:ARG:H	11	0.67
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	11	0.67
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	22	0.67
(1,3133)	1:139:A:ALA:HB1	1:95:A:ALA:HA	23	0.67
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	4	0.67
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	23	0.67
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG21	7	0.67
(1,3092)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	20	0.67
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	11	0.67
(1,3070)	1:125:A:VAL:HG11	1:122:A:LYS:HE3	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	17	0.67
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	20	0.67
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	5	0.67
(1,3041)	1:116:A:ALA:HB1	1:117:A:ARG:HB2	7	0.67
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	18	0.67
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	13	0.67
(1,2954)	1:94:A:ARG:HD3	1:90:A:ASN:H	23	0.67
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	8	0.67
(1,2940)	1:88:A:LEU:HD12	1:71:A:LEU:HB2	15	0.67
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	6	0.67
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	4	0.67
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	3	0.67
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	4	0.67
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	22	0.67
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	4	0.67
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	23	0.67
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	13	0.67
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	17	0.67
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG21	4	0.67
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG23	24	0.67
(1,2766)	1:113:A:LEU:HD21	1:70:A:PHE:HA	6	0.67
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	12	0.67
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG23	24	0.67
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	1	0.67
(1,2744)	1:141:A:LYS:HD3	1:141:A:LYS:HG2	24	0.67
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	8	0.67
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	3	0.67
(1,2725)	1:125:A:VAL:HG11	1:122:A:LYS:HG2	17	0.67
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD22	17	0.67
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	7	0.67
(1,2704)	1:88:A:LEU:HD21	1:84:A:VAL:HG12	18	0.67
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	14	0.67
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	6	0.67
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	24	0.67
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	8	0.67
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	9	0.67
(1,2644)	1:71:A:LEU:HD11	1:89:A:TYR:HE1	9	0.67
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	15	0.67
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	17	0.67
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	8	0.67
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	3	0.67
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	4	0.67
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	5	0.67
(1,1747)	1:104:A:GLU:HG2	1:105:A:PHE:H	5	0.67
(1,1721)	1:85:A:VAL:HG12	1:89:A:TYR:HE2	23	0.67
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	16	0.67
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	7	0.67
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	14	0.67
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	18	0.67
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD11	4	0.67
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD12	24	0.67
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	21	0.67
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	18	0.67
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	17	0.67
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	25	0.67
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	23	0.67
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	20	0.67
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	16	0.67
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	4	0.67
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	23	0.67
(1,929)	1:133:A:VAL:HG22	1:136:A:ALA:H	5	0.67
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	25	0.67
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	10	0.67
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	9	0.67
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	15	0.67
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	21	0.67
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	2	0.67
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	6	0.67
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	10	0.67
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	17	0.67
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	12	0.67
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	12	0.67
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	13	0.67
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	24	0.67
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	7	0.67
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	11	0.67
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	16	0.67
(1,773)	1:71:A:LEU:HD13	1:72:A:GLU:HG2	5	0.67
(1,757)	1:71:A:LEU:HD11	1:72:A:GLU:H	17	0.67
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	24	0.67
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	19	0.67
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	6	0.67
(1,412)	1:64:A:GLU:HB2	1:64:A:GLU:HG2	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:101:A:ALA:HB3	1:60:A:LYS:HB3	9	0.67
(1,258)	1:100:A:LEU:HD21	1:100:A:LEU:HB2	1	0.67
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	2	0.67
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	4	0.67
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	21	0.67
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	14	0.67
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	16	0.67
(1,75)	1:78:A:THR:HG22	1:77:A:GLN:HB3	16	0.67
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	9	0.66
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	10	0.66
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	5	0.66
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	1	0.66
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	12	0.66
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	1	0.66
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	10	0.66
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	12	0.66
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	16	0.66
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	2	0.66
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	14	0.66
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	2	0.66
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	22	0.66
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	23	0.66
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	24	0.66
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	11	0.66
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	14	0.66
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	19	0.66
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	20	0.66
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	24	0.66
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	25	0.66
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	9	0.66
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	1	0.66
(1,3133)	1:138:A:SER:HA	1:139:A:ALA:HB2	18	0.66
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	22	0.66
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	6	0.66
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	10	0.66
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	2	0.66
(1,3072)	1:125:A:VAL:HG23	1:124:A:TYR:HA	18	0.66
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	2	0.66
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	18	0.66
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	14	0.66
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	17	0.66
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	5	0.66
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	17	0.66
(1,2986)	1:100:A:LEU:HD23	1:105:A:PHE:HZ	2	0.66
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	16	0.66
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	23	0.66
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	9	0.66
(1,2966)	1:94:A:ARG:HD3	1:90:A:ASN:HA	21	0.66
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	14	0.66
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	14	0.66
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	23	0.66
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	11	0.66
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	20	0.66
(1,2910)	1:84:A:VAL:HA	1:88:A:LEU:HB2	14	0.66
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	15	0.66
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	2	0.66
(1,2888)	1:73:A:LEU:HD23	1:70:A:PHE:HB2	7	0.66
(1,2882)	1:71:A:LEU:HD23	1:67:A:PHE:HE1	2	0.66
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	21	0.66
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	4	0.66
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG21	5	0.66
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	19	0.66
(1,2862)	1:66:A:LEU:HD13	1:62:A:GLU:HB2	6	0.66
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	7	0.66
(1,2799)	1:65:A:LYS:HE3	1:66:A:LEU:HG	5	0.66
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	5	0.66
(1,2771)	1:142:A:LYS:HD3	1:142:A:LYS:HG2	20	0.66
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	21	0.66
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG21	1	0.66
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG23	13	0.66
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG23	14	0.66
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG21	21	0.66
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	11	0.66
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB3	5	0.66
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	1	0.66
(1,2722)	1:112:A:VAL:HG12	1:115:A:ARG:HG3	6	0.66
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	16	0.66
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	18	0.66
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG13	20	0.66
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	2	0.66
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	9	0.66
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	11	0.66
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	21	0.66
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	24	0.66
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	25	0.66
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	3	0.66
(1,2650)	1:71:A:LEU:HD12	1:89:A:TYR:HD1	9	0.66
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	17	0.66
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	19	0.66
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	6	0.66
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	11	0.66
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	18	0.66
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	15	0.66
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	8	0.66
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	23	0.66
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	3	0.66
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	10	0.66
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	16	0.66
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	23	0.66
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	16	0.66
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	22	0.66
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	23	0.66
(1,1671)	1:134:A:LEU:HA	1:137:A:HIS:HB3	9	0.66
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	5	0.66
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	8	0.66
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD13	7	0.66
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD11	11	0.66
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD11	21	0.66
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	7	0.66
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	1	0.66
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	10	0.66
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	11	0.66
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	12	0.66
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	14	0.66
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	19	0.66
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	16	0.66
(1,1428)	1:119:A:ARG:HD2	1:122:A:LYS:HG2	20	0.66
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	6	0.66
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	9	0.66
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	10	0.66
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	23	0.66
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	15	0.66
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	22	0.66
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	8	0.66
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	10	0.66
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	2	0.66
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	25	0.66
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	10	0.66
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	19	0.66
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	10	0.66
(1,929)	1:133:A:VAL:HG21	1:136:A:ALA:H	11	0.66
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	14	0.66
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	12	0.66
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	20	0.66
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	23	0.66
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	6	0.66
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	9	0.66
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	13	0.66
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	19	0.66
(1,757)	1:71:A:LEU:HD12	1:72:A:GLU:H	22	0.66
(1,700)	1:66:A:LEU:HD23	1:65:A:LYS:HE2	5	0.66
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	25	0.66
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	23	0.66
(1,624)	1:61:A:LEU:HA	1:64:A:GLU:HG2	5	0.66
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	8	0.66
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	11	0.66
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	15	0.66
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	18	0.66
(1,258)	1:100:A:LEU:HD21	1:100:A:LEU:HB2	20	0.66
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	23	0.66
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	9	0.66
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	17	0.66
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD21	10	0.66
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD23	23	0.66
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD22	11	0.66
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	1	0.65
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	14	0.65
(1,3579)	1:130:A:LEU:HD21	1:70:A:PHE:HE1	6	0.65
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	22	0.65
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	19	0.65
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	23	0.65
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	8	0.65
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	23	0.65
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	23	0.65
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	25	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	8	0.65
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	4	0.65
(1,3456)	1:113:A:LEU:HD13	1:114:A:SER:H	24	0.65
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	14	0.65
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	20	0.65
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	8	0.65
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	20	0.65
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	5	0.65
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	10	0.65
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	22	0.65
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG12	18	0.65
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	8	0.65
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	18	0.65
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	3	0.65
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	24	0.65
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	2	0.65
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	16	0.65
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	1	0.65
(1,3199)	1:88:A:LEU:HD22	1:88:A:LEU:H	13	0.65
(1,3199)	1:88:A:LEU:HD22	1:88:A:LEU:H	15	0.65
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	16	0.65
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	21	0.65
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	2	0.65
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	3	0.65
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	8	0.65
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	15	0.65
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	25	0.65
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	25	0.65
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	8	0.65
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	6	0.65
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	11	0.65
(1,3037)	1:116:A:ALA:HB1	1:123:A:LEU:H	18	0.65
(1,3031)	1:113:A:LEU:HD12	1:66:A:LEU:HB2	15	0.65
(1,3007)	1:108:A:ILE:HG23	1:134:A:LEU:H	15	0.65
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	10	0.65
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	3	0.65
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	2	0.65
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	1	0.65
(1,2917)	1:133:A:VAL:HG21	1:105:A:PHE:HD1	21	0.65
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	16	0.65
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	18	0.65
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	22	0.65
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	14	0.65
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	20	0.65
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	24	0.65
(1,2881)	1:109:A:LEU:HD22	1:113:A:LEU:H	3	0.65
(1,2881)	1:109:A:LEU:HD21	1:113:A:LEU:H	19	0.65
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	25	0.65
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	1	0.65
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	18	0.65
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	25	0.65
(1,2866)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	20	0.65
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	3	0.65
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	10	0.65
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	12	0.65
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	22	0.65
(1,2788)	1:78:A:THR:HG22	1:123:A:LEU:HG	14	0.65
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	23	0.65
(1,2771)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	2	0.65
(1,2771)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	13	0.65
(1,2771)	1:141:A:LYS:HD2	1:141:A:LYS:HG2	17	0.65
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	25	0.65
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	13	0.65
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD22	4	0.65
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	5	0.65
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	9	0.65
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	21	0.65
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG12	2	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	1	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	3	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	4	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	5	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	6	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	7	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	13	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	15	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	16	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	20	0.65
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	23	0.65
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	11	0.65
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	15	0.65
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	20	0.65
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	9	0.65
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	2	0.65
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	1	0.65
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	3	0.65
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	1	0.65
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	5	0.65
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	6	0.65
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	13	0.65
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	16	0.65
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB3	1	0.65
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	18	0.65
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	13	0.65
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	17	0.65
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	9	0.65
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	21	0.65
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD11	1	0.65
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD11	3	0.65
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD11	10	0.65
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD13	15	0.65
(1,1584)	1:130:A:LEU:HD13	1:130:A:LEU:H	13	0.65
(1,1513)	1:125:A:VAL:HG12	1:122:A:LYS:HA	16	0.65
(1,1511)	1:125:A:VAL:HG11	1:128:A:ASN:H	16	0.65
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	1	0.65
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	4	0.65
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	20	0.65
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	24	0.65
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	16	0.65
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	21	0.65
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	24	0.65
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	4	0.65
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	22	0.65
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	20	0.65
(1,931)	1:133:A:VAL:HG21	1:99:A:PHE:HZ	15	0.65
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	24	0.65
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	7	0.65
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	18	0.65
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	20	0.65
(1,862)	1:79:A:ALA:HB2	1:80:A:ASP:HB2	14	0.65
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	5	0.65
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	11	0.65
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	14	0.65
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	22	0.65
(1,856)	1:79:A:ALA:HB1	1:78:A:THR:H	2	0.65
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	9	0.65
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	17	0.65
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	19	0.65
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	21	0.65
(1,848)	1:78:A:THR:HG22	1:79:A:ALA:H	25	0.65
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	16	0.65
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	7	0.65
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	14	0.65
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	14	0.65
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	5	0.65
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	6	0.65
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	16	0.65
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	24	0.65
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	1	0.65
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD23	24	0.65
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	6	0.65
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	4	0.64
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD13	9	0.64
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	3	0.64
(1,3464)	1:123:A:LEU:HD22	1:122:A:LYS:H	6	0.64
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	7	0.64
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	11	0.64
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	16	0.64
(1,3456)	1:113:A:LEU:HD13	1:114:A:SER:H	22	0.64
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	19	0.64
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	5	0.64
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	8	0.64
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	2	0.64
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	19	0.64
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	24	0.64
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	22	0.64
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	24	0.64
(1,3314)	1:77:A:GLN:HE22	1:123:A:LEU:HB2	24	0.64
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	6	0.64
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	25	0.64
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	5	0.64
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	11	0.64
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	20	0.64
(1,3147)	1:85:A:VAL:HG12	1:88:A:LEU:HB3	3	0.64
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	15	0.64
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	17	0.64
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	4	0.64
(1,3136)	1:65:A:LYS:HG3	1:68:A:GLU:HB2	17	0.64
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	20	0.64
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	6	0.64
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	7	0.64
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	6	0.64
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	19	0.64
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	5	0.64
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	14	0.64
(1,3077)	1:127:A:ILE:HA	1:130:A:LEU:HD21	20	0.64
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	3	0.64
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	7	0.64
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	15	0.64
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	7	0.64
(1,3041)	1:116:A:ALA:HB3	1:117:A:ARG:HB2	23	0.64
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	14	0.64
(1,3019)	1:66:A:LEU:HD12	1:110:A:SER:HB2	4	0.64
(1,3019)	1:66:A:LEU:HD12	1:110:A:SER:HB2	8	0.64
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	14	0.64
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	6	0.64
(1,2986)	1:100:A:LEU:HD23	1:105:A:PHE:HZ	20	0.64
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	21	0.64
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	25	0.64
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	10	0.64
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	2	0.64
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	11	0.64
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	4	0.64
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	5	0.64
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	21	0.64
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	23	0.64
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	14	0.64
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	23	0.64
(1,2904)	1:79:A:ALA:HB3	1:80:A:ASP:HA	1	0.64
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	20	0.64
(1,2885)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	11	0.64
(1,2882)	1:71:A:LEU:HD23	1:67:A:PHE:HE1	9	0.64
(1,2882)	1:71:A:LEU:HD21	1:67:A:PHE:HE1	21	0.64
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG21	12	0.64
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	14	0.64
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	11	0.64
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	14	0.64
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	21	0.64
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	4	0.64
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	23	0.64
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	11	0.64
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	15	0.64
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	23	0.64
(1,2766)	1:113:A:LEU:HD23	1:70:A:PHE:HA	15	0.64
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	25	0.64
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG21	11	0.64
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG21	15	0.64
(1,2752)	1:88:A:LEU:HD23	1:71:A:LEU:HD21	13	0.64
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	19	0.64
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	24	0.64
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	7	0.64
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	18	0.64
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD23	16	0.64
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	12	0.64
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	9	0.64
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	16	0.64
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	23	0.64
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	8	0.64
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	10	0.64
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	17	0.64
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	18	0.64
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	19	0.64
(1,2650)	1:71:A:LEU:HD12	1:89:A:TYR:HD1	5	0.64
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	17	0.64
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	20	0.64
(1,2345)	1:109:A:LEU:H	1:111:A:ARG:HD3	8	0.64
(1,2018)	1:72:A:GLU:HG2	1:73:A:LEU:H	23	0.64
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	7	0.64
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	10	0.64
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	23	0.64
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	24	0.64
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	9	0.64
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	12	0.64
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	15	0.64
(1,1861)	1:113:A:LEU:HD22	1:114:A:SER:H	16	0.64
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	7	0.64
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	24	0.64
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	7	0.64
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	19	0.64
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	20	0.64
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	5	0.64
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	14	0.64
(1,1756)	1:76:A:MET:HE2	1:77:A:GLN:HE22	8	0.64
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	10	0.64
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD12	14	0.64
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD12	25	0.64
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	2	0.64
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	21	0.64
(1,1587)	1:130:A:LEU:HD13	1:109:A:LEU:HD11	20	0.64
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD12	23	0.64
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	6	0.64
(1,1513)	1:125:A:VAL:HG13	1:122:A:LYS:HA	12	0.64
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	13	0.64
(1,1511)	1:125:A:VAL:HG11	1:128:A:ASN:H	15	0.64
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	21	0.64
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	25	0.64
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	12	0.64
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	16	0.64
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	22	0.64
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	24	0.64
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD13	1	0.64
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD11	2	0.64
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD11	4	0.64
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD12	15	0.64
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	5	0.64
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	17	0.64
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	18	0.64
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	7	0.64
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	18	0.64
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	11	0.64
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	6	0.64
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	9	0.64
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	17	0.64
(1,927)	1:84:A:VAL:HG23	1:87:A:PHE:H	13	0.64
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	18	0.64
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	2	0.64
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	23	0.64
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:108:A:ILE:HG21	1:130:A:LEU:HG	10	0.64
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	5	0.64
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	20	0.64
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	20	0.64
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	12	0.64
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	10	0.64
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	25	0.64
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD21	16	0.64
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	1	0.64
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	5	0.64
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	16	0.64
(1,566)	1:57:A:LYS:HD2	1:59:A:TYR:HE1	1	0.64
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	3	0.64
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	10	0.64
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	14	0.64
(1,258)	1:100:A:LEU:HD22	1:100:A:LEU:HB2	22	0.64
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	12	0.64
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	20	0.64
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	21	0.64
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	1	0.64
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD23	11	0.64
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD22	13	0.64
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	22	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	1	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	2	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	3	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	4	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	5	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	7	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	8	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	9	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD11	10	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	11	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD11	12	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	13	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	14	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD11	15	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	16	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	17	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	18	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	19	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	21	0.64
(1,15)	1:143:A:LEU:HD12	1:143:A:LEU:HD13	22	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	23	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	24	0.64
(1,15)	1:143:A:LEU:HD11	1:143:A:LEU:HD13	25	0.64
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	22	0.63
(1,3579)	1:123:A:LEU:HD13	1:70:A:PHE:HE1	4	0.63
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	20	0.63
(1,3574)	1:96:A:HIS:HE1	1:139:A:ALA:HA	14	0.63
(1,3571)	1:116:A:ALA:HB2	1:126:A:TYR:HE2	7	0.63
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	10	0.63
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	17	0.63
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	24	0.63
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	13	0.63
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	8	0.63
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB2	23	0.63
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	5	0.63
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	23	0.63
(1,3464)	1:123:A:LEU:HD21	1:122:A:LYS:H	14	0.63
(1,3456)	1:113:A:LEU:HD13	1:114:A:SER:H	10	0.63
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	19	0.63
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG23	1	0.63
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	4	0.63
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD21	6	0.63
(1,3357)	1:90:A:ASN:HD22	1:135:A:LYS:HB2	2	0.63
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	3	0.63
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	20	0.63
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	1	0.63
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	4	0.63
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	6	0.63
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	12	0.63
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	15	0.63
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	19	0.63
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	13	0.63
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	22	0.63
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	6	0.63
(1,3199)	1:88:A:LEU:HD23	1:88:A:LEU:H	23	0.63
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	3	0.63
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	5	0.63
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	23	0.63
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	2	0.63
(1,3147)	1:85:A:VAL:HG12	1:88:A:LEU:HB3	24	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	8	0.63
(1,3134)	1:139:A:ALA:HB2	1:138:A:SER:HB2	1	0.63
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	5	0.63
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	12	0.63
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	6	0.63
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	14	0.63
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	5	0.63
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	20	0.63
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	17	0.63
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	25	0.63
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	5	0.63
(1,3057)	1:123:A:LEU:HD22	1:78:A:THR:H	7	0.63
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	19	0.63
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	24	0.63
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	2	0.63
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	16	0.63
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	25	0.63
(1,3003)	1:107:A:ASN:HB2	1:108:A:ILE:HB	18	0.63
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	11	0.63
(1,2968)	1:95:A:ALA:HB2	1:134:A:LEU:HB2	8	0.63
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	18	0.63
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	7	0.63
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	14	0.63
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	18	0.63
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	8	0.63
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	9	0.63
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	8	0.63
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	11	0.63
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	15	0.63
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	3	0.63
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	4	0.63
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	9	0.63
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	19	0.63
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	9	0.63
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	6	0.63
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	14	0.63
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	21	0.63
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG23	4	0.63
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG23	5	0.63
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG22	16	0.63
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	4	0.63
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG12	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:70:A:PHE:HB2	1:70:A:PHE:HD1	22	0.63
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	2	0.63
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	7	0.63
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	14	0.63
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	16	0.63
(1,2650)	1:71:A:LEU:HD12	1:89:A:TYR:HD1	18	0.63
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	22	0.63
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	1	0.63
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	8	0.63
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	6	0.63
(1,2470)	1:129:A:GLU:HG2	1:129:A:GLU:H	7	0.63
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	21	0.63
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	13	0.63
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	6	0.63
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	11	0.63
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	24	0.63
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	5	0.63
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	2	0.63
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	14	0.63
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	3	0.63
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	4	0.63
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	19	0.63
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	22	0.63
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	20	0.63
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	6	0.63
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	6	0.63
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	12	0.63
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD12	5	0.63
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD11	9	0.63
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	18	0.63
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	22	0.63
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	23	0.63
(1,1521)	1:125:A:VAL:HG23	1:122:A:LYS:HG3	20	0.63
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	5	0.63
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	3	0.63
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	25	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD11	5	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD11	6	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD11	9	0.63
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD13	10	0.63
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD11	11	0.63
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD12	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD13	23	0.63
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD13	24	0.63
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD13	25	0.63
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	9	0.63
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	13	0.63
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	20	0.63
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	6	0.63
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	7	0.63
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	2	0.63
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	5	0.63
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	15	0.63
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	18	0.63
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	18	0.63
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	3	0.63
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	13	0.63
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	14	0.63
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	6	0.63
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	13	0.63
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	14	0.63
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	24	0.63
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG13	1	0.63
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	6	0.63
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	10	0.63
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	13	0.63
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	15	0.63
(1,848)	1:78:A:THR:HG21	1:79:A:ALA:H	14	0.63
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	18	0.63
(1,757)	1:71:A:LEU:HD13	1:72:A:GLU:H	23	0.63
(1,733)	1:70:A:PHE:HB2	1:67:A:PHE:HD1	13	0.63
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	1	0.63
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	21	0.63
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	3	0.63
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	17	0.63
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD21	7	0.63
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	4	0.62
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	22	0.62
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	24	0.62
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	23	0.62
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	25	0.62
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	1	0.62
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	14	0.62
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	11	0.62
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	17	0.62
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	19	0.62
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	23	0.62
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	17	0.62
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	13	0.62
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	23	0.62
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	13	0.62
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	21	0.62
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	18	0.62
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	10	0.62
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	2	0.62
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	11	0.62
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	14	0.62
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	10	0.62
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	20	0.62
(1,3209)	1:123:A:LEU:HG	1:123:A:LEU:H	18	0.62
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	19	0.62
(1,3199)	1:88:A:LEU:HD21	1:88:A:LEU:H	17	0.62
(1,3199)	1:88:A:LEU:HD22	1:88:A:LEU:H	18	0.62
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	19	0.62
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	24	0.62
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	25	0.62
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	18	0.62
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	3	0.62
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	8	0.62
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	11	0.62
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	6	0.62
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	16	0.62
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	24	0.62
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	2	0.62
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	6	0.62
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	16	0.62
(1,3069)	1:125:A:VAL:HG11	1:129:A:GLU:HA	20	0.62
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	21	0.62
(1,3019)	1:66:A:LEU:HD11	1:110:A:SER:HB2	23	0.62
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	5	0.62
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	18	0.62
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD13	6	0.62
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	8	0.62
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	8	0.62
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	22	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	14	0.62
(1,2940)	1:88:A:LEU:HD13	1:71:A:LEU:HB2	25	0.62
(1,2928)	1:84:A:VAL:HG12	1:87:A:PHE:HB2	18	0.62
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	1	0.62
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	6	0.62
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	4	0.62
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	22	0.62
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	4	0.62
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	18	0.62
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	19	0.62
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	6	0.62
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	5	0.62
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	13	0.62
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	14	0.62
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	7	0.62
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG22	8	0.62
(1,2771)	1:141:A:LYS:HD2	1:141:A:LYS:HG3	5	0.62
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG23	2	0.62
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	12	0.62
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	8	0.62
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	4	0.62
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	18	0.62
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD21	14	0.62
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	19	0.62
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG13	9	0.62
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	4	0.62
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	22	0.62
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	13	0.62
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	25	0.62
(1,2401)	1:122:A:LYS:HG2	1:122:A:LYS:H	1	0.62
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD21	20	0.62
(1,1878)	1:138:A:SER:H	1:136:A:ALA:HB2	17	0.62
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	3	0.62
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	7	0.62
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	17	0.62
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	6	0.62
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	9	0.62
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	22	0.62
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	6	0.62
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	20	0.62
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	25	0.62
(1,1861)	1:113:A:LEU:HD21	1:114:A:SER:H	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	12	0.62
(1,1858)	1:109:A:LEU:HD21	1:110:A:SER:H	14	0.62
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	25	0.62
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	13	0.62
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	3	0.62
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	8	0.62
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	8	0.62
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	13	0.62
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	23	0.62
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	14	0.62
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	5	0.62
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	18	0.62
(1,1652)	1:135:A:LYS:HB3	1:135:A:LYS:HE2	22	0.62
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	13	0.62
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	14	0.62
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	15	0.62
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	8	0.62
(1,1584)	1:130:A:LEU:HD13	1:130:A:LEU:H	11	0.62
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	20	0.62
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	5	0.62
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	6	0.62
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	22	0.62
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	12	0.62
(1,1363)	1:112:A:VAL:HG21	1:115:A:ARG:H	11	0.62
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	18	0.62
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	5	0.62
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD12	8	0.62
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD11	13	0.62
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	15	0.62
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	8	0.62
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	19	0.62
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	12	0.62
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	19	0.62
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	22	0.62
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	17	0.62
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	2	0.62
(1,1112)	1:94:A:ARG:HD2	1:94:A:ARG:H	21	0.62
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	19	0.62
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	21	0.62
(1,974)	1:85:A:VAL:HG21	1:86:A:PRO:HD3	18	0.62
(1,931)	1:133:A:VAL:HG21	1:99:A:PHE:HZ	7	0.62
(1,927)	1:84:A:VAL:HG22	1:87:A:PHE:H	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	16	0.62
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	15	0.62
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	6	0.62
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	16	0.62
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	8	0.62
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	22	0.62
(1,848)	1:78:A:THR:HG23	1:79:A:ALA:H	15	0.62
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	7	0.62
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	7	0.62
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD11	20	0.62
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	4	0.62
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	24	0.62
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	25	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	1	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	2	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	3	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	4	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	5	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	7	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	9	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	11	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	13	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	14	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	16	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	17	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	18	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	19	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	22	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	23	0.62
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	24	0.62
(1,301)	1:101:A:ALA:HB2	1:60:A:LYS:HB3	16	0.62
(1,258)	1:100:A:LEU:HD23	1:100:A:LEU:HB2	7	0.62
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	6	0.62
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD23	8	0.62
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD21	16	0.62
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD23	16	0.62
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD23	17	0.62
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	11	0.61
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	13	0.61
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	17	0.61
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	14	0.61
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3571)	1:116:A:ALA:HB2	1:126:A:TYR:HE2	4	0.61
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	21	0.61
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	10	0.61
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	21	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	1	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	2	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	4	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	5	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	6	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	7	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	9	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	13	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	22	0.61
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	25	0.61
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	24	0.61
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	2	0.61
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	18	0.61
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	20	0.61
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	9	0.61
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG23	12	0.61
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD23	14	0.61
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	23	0.61
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	17	0.61
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	15	0.61
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	2	0.61
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	8	0.61
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	12	0.61
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	23	0.61
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	21	0.61
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	17	0.61
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD23	3	0.61
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD23	14	0.61
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	1	0.61
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	10	0.61
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	20	0.61
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	21	0.61
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	4	0.61
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	1	0.61
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	14	0.61
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	18	0.61
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	15	0.61
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	10	0.61
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	3	0.61
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	24	0.61
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	5	0.61
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	8	0.61
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	3	0.61
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	13	0.61
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	25	0.61
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	19	0.61
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	22	0.61
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	1	0.61
(1,2986)	1:100:A:LEU:HD23	1:105:A:PHE:HZ	12	0.61
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	13	0.61
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	17	0.61
(1,2968)	1:95:A:ALA:HB3	1:134:A:LEU:HB2	14	0.61
(1,2944)	1:88:A:LEU:HD21	1:70:A:PHE:HB3	8	0.61
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	24	0.61
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	10	0.61
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	10	0.61
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	24	0.61
(1,2881)	1:109:A:LEU:HD23	1:113:A:LEU:H	24	0.61
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG23	4	0.61
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG21	8	0.61
(1,2855)	1:62:A:GLU:HG2	1:61:A:LEU:HB2	8	0.61
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	17	0.61
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	24	0.61
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	12	0.61
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG23	3	0.61
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	7	0.61
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	12	0.61
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	9	0.61
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	10	0.61
(1,2771)	1:141:A:LYS:HD3	1:141:A:LYS:HG2	4	0.61
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	8	0.61
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	9	0.61
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	10	0.61
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	12	0.61
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG23	7	0.61
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG21	17	0.61
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	2	0.61
(1,2752)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	6	0.61
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	22	0.61
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG12	17	0.61
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG12	21	0.61
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	2	0.61
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	16	0.61
(1,2644)	1:71:A:LEU:HD11	1:89:A:TYR:HE1	18	0.61
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	25	0.61
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	9	0.61
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	3	0.61
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	16	0.61
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	4	0.61
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE21	23	0.61
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	4	0.61
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	7	0.61
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	9	0.61
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	22	0.61
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	13	0.61
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	2	0.61
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	25	0.61
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	3	0.61
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	13	0.61
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	18	0.61
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	2	0.61
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	18	0.61
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	20	0.61
(1,1858)	1:109:A:LEU:HD22	1:110:A:SER:H	21	0.61
(1,1853)	1:98:A:LEU:HD12	1:99:A:PHE:H	24	0.61
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB3	9	0.61
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	4	0.61
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	21	0.61
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	19	0.61
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	25	0.61
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	14	0.61
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	16	0.61
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB2	10	0.61
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	7	0.61
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	4	0.61
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	14	0.61
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	3	0.61
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	10	0.61
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	13	0.61
(1,1511)	1:125:A:VAL:HG13	1:128:A:ASN:H	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	3	0.61
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	11	0.61
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	23	0.61
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	5	0.61
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	8	0.61
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	21	0.61
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	22	0.61
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD13	16	0.61
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	5	0.61
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	10	0.61
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	12	0.61
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	3	0.61
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB3	9	0.61
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	1	0.61
(1,1224)	1:103:A:ALA:HB3	1:105:A:PHE:H	20	0.61
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	5	0.61
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	12	0.61
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	3	0.61
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	15	0.61
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	18	0.61
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	19	0.61
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	22	0.61
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	2	0.61
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	12	0.61
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	15	0.61
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	3	0.61
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	2	0.61
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	9	0.61
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	7	0.61
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	1	0.61
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	2	0.61
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	18	0.61
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	2	0.61
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	9	0.61
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	5	0.61
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	12	0.61
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	14	0.61
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	16	0.61
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	22	0.61
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	24	0.61
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	15	0.61
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	17	0.61
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	8	0.61
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	10	0.61
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	12	0.61
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	20	0.61
(1,419)	1:68:A:GLU:HG2	1:68:A:GLU:HB2	21	0.61
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD23	5	0.61
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD22	14	0.61
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD21	17	0.61
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD23	25	0.61
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	5	0.6
(1,3581)	1:70:A:PHE:HD1	1:71:A:LEU:HB2	25	0.6
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	9	0.6
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	8	0.6
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	12	0.6
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	15	0.6
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	7	0.6
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	14	0.6
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	11	0.6
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	12	0.6
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	1	0.6
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	5	0.6
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	3	0.6
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	12	0.6
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	15	0.6
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	16	0.6
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	16	0.6
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	7	0.6
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	11	0.6
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG23	15	0.6
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	7	0.6
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	5	0.6
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	3	0.6
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	10	0.6
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	23	0.6
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	20	0.6
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	1	0.6
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	7	0.6
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	16	0.6
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	19	0.6
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	23	0.6
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	2	0.6
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	7	0.6
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	18	0.6
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	1	0.6
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	5	0.6
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	20	0.6
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	1	0.6
(1,3141)	1:141:A:LYS:HA	1:141:A:LYS:HD3	23	0.6
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	3	0.6
(1,3125)	1:134:A:LEU:HD22	1:100:A:LEU:HG	9	0.6
(1,3125)	1:134:A:LEU:HD23	1:91:A:ARG:HB3	17	0.6
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	4	0.6
(1,3109)	1:88:A:LEU:HD22	1:131:A:CYS:HA	13	0.6
(1,3092)	1:125:A:VAL:HG12	1:128:A:ASN:HB2	5	0.6
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	11	0.6
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	12	0.6
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	4	0.6
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	12	0.6
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	20	0.6
(1,3057)	1:123:A:LEU:HD23	1:78:A:THR:H	14	0.6
(1,3037)	1:116:A:ALA:HB3	1:123:A:LEU:H	16	0.6
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	17	0.6
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	3	0.6
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	7	0.6
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	10	0.6
(1,3007)	1:108:A:ILE:HG21	1:130:A:LEU:H	22	0.6
(1,3003)	1:107:A:ASN:HB2	1:104:A:GLU:HB3	17	0.6
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	3	0.6
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	18	0.6
(1,2940)	1:88:A:LEU:HD11	1:71:A:LEU:HB2	22	0.6
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	14	0.6
(1,2915)	1:133:A:VAL:HG22	1:132:A:THR:H	15	0.6
(1,2905)	1:81:A:HIS:HA	1:83:A:GLU:HB3	2	0.6
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	6	0.6
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	11	0.6
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	10	0.6
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	5	0.6
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	23	0.6
(1,2826)	1:113:A:LEU:HD22	1:113:A:LEU:HA	6	0.6
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	13	0.6
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	23	0.6
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG23	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	11	0.6
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	5	0.6
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	11	0.6
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG21	8	0.6
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG22	18	0.6
(1,2753)	1:88:A:LEU:HD11	1:85:A:VAL:HG22	25	0.6
(1,2744)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	1	0.6
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	5	0.6
(1,2724)	1:73:A:LEU:HD11	1:123:A:LEU:HD22	11	0.6
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	17	0.6
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	1	0.6
(1,2650)	1:71:A:LEU:HD13	1:89:A:TYR:HD1	25	0.6
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	3	0.6
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	21	0.6
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	15	0.6
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	22	0.6
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	8	0.6
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	10	0.6
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	8	0.6
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	19	0.6
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	3	0.6
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	13	0.6
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	14	0.6
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	15	0.6
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	8	0.6
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	15	0.6
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	22	0.6
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	5	0.6
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	9	0.6
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	17	0.6
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	23	0.6
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	7	0.6
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	10	0.6
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	14	0.6
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	16	0.6
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	19	0.6
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	25	0.6
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	24	0.6
(1,1747)	1:104:A:GLU:HG2	1:105:A:PHE:H	15	0.6
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB2	24	0.6
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	13	0.6
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	25	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	24	0.6
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	1	0.6
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	17	0.6
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	21	0.6
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	4	0.6
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	18	0.6
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	21	0.6
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	22	0.6
(1,1510)	1:125:A:VAL:HG11	1:127:A:ILE:H	24	0.6
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	25	0.6
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	25	0.6
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	1	0.6
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	20	0.6
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	2	0.6
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	13	0.6
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	4	0.6
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	11	0.6
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	18	0.6
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD13	7	0.6
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD12	12	0.6
(1,1309)	1:108:A:ILE:HD12	1:130:A:LEU:HD12	22	0.6
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	2	0.6
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	6	0.6
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	17	0.6
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	20	0.6
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	23	0.6
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	25	0.6
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	16	0.6
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD2	18	0.6
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	14	0.6
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	25	0.6
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	20	0.6
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	6	0.6
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE22	16	0.6
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	17	0.6
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	19	0.6
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	16	0.6
(1,1112)	1:94:A:ARG:HD2	1:94:A:ARG:H	25	0.6
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	18	0.6
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	8	0.6
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	25	0.6
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	23	0.6
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	19	0.6
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	19	0.6
(1,862)	1:79:A:ALA:HB1	1:80:A:ASP:HB2	11	0.6
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	2	0.6
(1,853)	1:108:A:ILE:HG23	1:130:A:LEU:HG	25	0.6
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	3	0.6
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	21	0.6
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD11	8	0.6
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD12	11	0.6
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	12	0.6
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	14	0.6
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE2	9	0.6
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	15	0.6
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	17	0.6
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	2	0.6
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	18	0.6
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	16	0.6
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	2	0.6
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	5	0.6
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	18	0.6
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	2	0.6
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD23	3	0.6
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD21	15	0.6
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	18	0.6
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	19	0.6
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD21	21	0.6
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	7	0.59
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	11	0.59
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	22	0.59
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	22	0.59
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	3	0.59
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	7	0.59
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	17	0.59
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	5	0.59
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	6	0.59
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	11	0.59
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	20	0.59
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	24	0.59
(1,3456)	1:113:A:LEU:HD11	1:114:A:SER:H	7	0.59
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	14	0.59
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	21	0.59
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	24	0.59
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	21	0.59
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG22	3	0.59
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	5	0.59
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD23	8	0.59
(1,3443)	1:110:A:SER:H	1:112:A:VAL:HG21	18	0.59
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD22	25	0.59
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	10	0.59
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	11	0.59
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	15	0.59
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	23	0.59
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	23	0.59
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	4	0.59
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	1	0.59
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	4	0.59
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	14	0.59
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	13	0.59
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	22	0.59
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	12	0.59
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	9	0.59
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	3	0.59
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	5	0.59
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	14	0.59
(1,3161)	1:123:A:LEU:HD11	1:77:A:GLN:HE21	3	0.59
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	8	0.59
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	21	0.59
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	12	0.59
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	21	0.59
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	23	0.59
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	1	0.59
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	12	0.59
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	11	0.59
(1,3041)	1:116:A:ALA:HB2	1:117:A:ARG:HB2	13	0.59
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	6	0.59
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	8	0.59
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	11	0.59
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	2	0.59
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	14	0.59
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	21	0.59
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	7	0.59
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	19	0.59
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	9	0.59
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	20	0.59
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	22	0.59
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	7	0.59
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	14	0.59
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	16	0.59
(1,2826)	1:113:A:LEU:HD12	1:113:A:LEU:HA	4	0.59
(1,2788)	1:84:A:VAL:HG22	1:78:A:THR:HG21	18	0.59
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	17	0.59
(1,2766)	1:113:A:LEU:HD22	1:70:A:PHE:HA	18	0.59
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG22	6	0.59
(1,2753)	1:88:A:LEU:HD13	1:85:A:VAL:HG21	9	0.59
(1,2752)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	3	0.59
(1,2725)	1:125:A:VAL:HG12	1:122:A:LYS:HG2	24	0.59
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	8	0.59
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	11	0.59
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG11	14	0.59
(1,2704)	1:88:A:LEU:HD21	1:84:A:VAL:HG12	15	0.59
(1,2704)	1:88:A:LEU:HD23	1:84:A:VAL:HG13	16	0.59
(1,2650)	1:71:A:LEU:HD11	1:89:A:TYR:HD1	21	0.59
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	23	0.59
(1,2644)	1:71:A:LEU:HD11	1:89:A:TYR:HE1	5	0.59
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	24	0.59
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	9	0.59
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	19	0.59
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	19	0.59
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	15	0.59
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	19	0.59
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	12	0.59
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	3	0.59
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	12	0.59
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	19	0.59
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	2	0.59
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	4	0.59
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	6	0.59
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	13	0.59
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	20	0.59
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	23	0.59
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	25	0.59
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	1	0.59
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	16	0.59
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	17	0.59
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	20	0.59
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	9	0.59
(1,1858)	1:109:A:LEU:HD23	1:110:A:SER:H	25	0.59
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	5	0.59
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	11	0.59
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	25	0.59
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	1	0.59
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	16	0.59
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	5	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	1	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	5	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	6	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	11	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	12	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	15	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	17	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	20	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	23	0.59
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	24	0.59
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	10	0.59
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	11	0.59
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB2	7	0.59
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	24	0.59
(1,1700)	1:60:A:LYS:HD2	1:64:A:GLU:H	24	0.59
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	2	0.59
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	11	0.59
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	10	0.59
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	24	0.59
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	18	0.59
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	1	0.59
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	6	0.59
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	8	0.59
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	17	0.59
(1,1363)	1:112:A:VAL:HG23	1:115:A:ARG:H	7	0.59
(1,1363)	1:112:A:VAL:HG22	1:115:A:ARG:H	14	0.59
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	8	0.59
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD12	14	0.59
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD13	21	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	1	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	7	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	14	0.59
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	24	0.59
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	4	0.59
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	22	0.59
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD2	9	0.59
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD2	22	0.59
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	6	0.59
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	1	0.59
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	7	0.59
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	3	0.59
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	4	0.59
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	12	0.59
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE22	15	0.59
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	20	0.59
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	16	0.59
(1,1112)	1:94:A:ARG:HD2	1:94:A:ARG:H	23	0.59
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	4	0.59
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	7	0.59
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	9	0.59
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	14	0.59
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	20	0.59
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	19	0.59
(1,931)	1:133:A:VAL:HG21	1:99:A:PHE:HZ	24	0.59
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	4	0.59
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG12	13	0.59
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	12	0.59
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	19	0.59
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	18	0.59
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	1	0.59
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	24	0.59
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	25	0.59
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD13	17	0.59
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD21	23	0.59
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	19	0.59
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	9	0.59
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	13	0.59
(1,449)	1:58:A:CYS:HA	1:59:A:TYR:H	24	0.59
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	4	0.59
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	9	0.59
(1,93)	1:108:A:ILE:HG23	1:130:A:LEU:HD21	20	0.59
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	18	0.58
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	1	0.58
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	10	0.58
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	15	0.58
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	19	0.58
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD13	7	0.58
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	9	0.58
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	22	0.58
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	4	0.58
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	16	0.58
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	15	0.58
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	19	0.58
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	8	0.58
(1,3455)	1:113:A:LEU:HG	1:114:A:SER:H	20	0.58
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	5	0.58
(1,3451)	1:109:A:LEU:HD22	1:113:A:LEU:H	3	0.58
(1,3451)	1:109:A:LEU:HD21	1:113:A:LEU:H	19	0.58
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	25	0.58
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	3	0.58
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	13	0.58
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	11	0.58
(1,3354)	1:90:A:ASN:HD21	1:94:A:ARG:HB3	25	0.58
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	23	0.58
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	4	0.58
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	21	0.58
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD23	18	0.58
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD13	22	0.58
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	5	0.58
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	6	0.58
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	12	0.58
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	13	0.58
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	17	0.58
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	25	0.58
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	13	0.58
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	23	0.58
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	2	0.58
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	18	0.58
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	22	0.58
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	24	0.58
(1,3201)	1:92:A:GLN:HG3	1:92:A:GLN:H	9	0.58
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	11	0.58
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	22	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	17	0.58
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	2	0.58
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	5	0.58
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	20	0.58
(1,3144)	1:85:A:VAL:HG21	1:78:A:THR:H	16	0.58
(1,3118)	1:134:A:LEU:HD11	1:67:A:PHE:HZ	3	0.58
(1,3109)	1:88:A:LEU:HD22	1:131:A:CYS:HA	15	0.58
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	7	0.58
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	3	0.58
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	5	0.58
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	10	0.58
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	1	0.58
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	9	0.58
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	14	0.58
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	20	0.58
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	4	0.58
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	7	0.58
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	6	0.58
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	15	0.58
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	7	0.58
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	18	0.58
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	19	0.58
(1,2917)	1:133:A:VAL:HG21	1:105:A:PHE:HD1	3	0.58
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	12	0.58
(1,2917)	1:133:A:VAL:HG21	1:105:A:PHE:HD1	15	0.58
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	25	0.58
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	17	0.58
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	25	0.58
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	11	0.58
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	17	0.58
(1,2867)	1:129:A:GLU:HG2	1:133:A:VAL:HG22	21	0.58
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	2	0.58
(1,2826)	1:113:A:LEU:HD11	1:113:A:LEU:HA	19	0.58
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	20	0.58
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	6	0.58
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	6	0.58
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	16	0.58
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	24	0.58
(1,2753)	1:88:A:LEU:HD12	1:85:A:VAL:HG22	19	0.58
(1,2725)	1:125:A:VAL:HG13	1:122:A:LYS:HG2	12	0.58
(1,2724)	1:73:A:LEU:HD12	1:123:A:LEU:HD22	22	0.58
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG11	14	0.58
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	10	0.58
(1,2650)	1:71:A:LEU:HD12	1:89:A:TYR:HD1	13	0.58
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	7	0.58
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	11	0.58
(1,2644)	1:71:A:LEU:HD11	1:89:A:TYR:HE1	13	0.58
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	14	0.58
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	15	0.58
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	19	0.58
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	6	0.58
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	7	0.58
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	18	0.58
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	4	0.58
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	15	0.58
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	16	0.58
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	5	0.58
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	10	0.58
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	14	0.58
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	21	0.58
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	22	0.58
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	2	0.58
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	5	0.58
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	3	0.58
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	7	0.58
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	8	0.58
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	19	0.58
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	21	0.58
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	17	0.58
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	17	0.58
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	14	0.58
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	17	0.58
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	7	0.58
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	24	0.58
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	13	0.58
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	18	0.58
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	11	0.58
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	1	0.58
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	4	0.58
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	7	0.58
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	20	0.58
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	17	0.58
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD13	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	17	0.58
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	3	0.58
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	12	0.58
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	16	0.58
(1,1511)	1:125:A:VAL:HG11	1:128:A:ASN:H	20	0.58
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	14	0.58
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	3	0.58
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	12	0.58
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	17	0.58
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD12	3	0.58
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD12	18	0.58
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	11	0.58
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	16	0.58
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	22	0.58
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	14	0.58
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	18	0.58
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD2	10	0.58
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD2	25	0.58
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	10	0.58
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	21	0.58
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	4	0.58
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	8	0.58
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	11	0.58
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE22	4	0.58
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	24	0.58
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	9	0.58
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	13	0.58
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	5	0.58
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	24	0.58
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	16	0.58
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	22	0.58
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	4	0.58
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	5	0.58
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	8	0.58
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	15	0.58
(1,974)	1:85:A:VAL:HG21	1:86:A:PRO:HD3	16	0.58
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	1	0.58
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	8	0.58
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	18	0.58
(1,927)	1:84:A:VAL:HG21	1:87:A:PHE:H	18	0.58
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	1	0.58
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	9	0.58
(1,853)	1:108:A:ILE:HG22	1:130:A:LEU:HG	19	0.58
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	14	0.58
(1,773)	1:71:A:LEU:HD13	1:72:A:GLU:HG2	23	0.58
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	9	0.58
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	19	0.58
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	3	0.58
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	10	0.58
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	8	0.58
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	13	0.58
(1,243)	1:84:A:VAL:HG21	1:81:A:HIS:HB2	23	0.58
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	7	0.58
(1,93)	1:108:A:ILE:HG21	1:130:A:LEU:HD21	6	0.58
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD22	12	0.58
(1,72)	1:123:A:LEU:HD23	1:73:A:LEU:HD23	18	0.58
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	8	0.57
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	25	0.57
(1,3577)	1:127:A:ILE:HD13	1:70:A:PHE:HZ	11	0.57
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	21	0.57
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	24	0.57
(1,3571)	1:116:A:ALA:HB3	1:126:A:TYR:HE2	12	0.57
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	10	0.57
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	20	0.57
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	18	0.57
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	2	0.57
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	8	0.57
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	19	0.57
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	10	0.57
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	13	0.57
(1,3517)	1:130:A:LEU:HD21	1:131:A:CYS:H	25	0.57
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD11	17	0.57
(1,3443)	1:110:A:SER:H	1:109:A:LEU:HG	22	0.57
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	25	0.57
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	2	0.57
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	17	0.57
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	9	0.57
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	5	0.57
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	23	0.57
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	17	0.57
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	16	0.57
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	18	0.57
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	4	0.57
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	11	0.57
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	11	0.57
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	21	0.57
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	24	0.57
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	19	0.57
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	8	0.57
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	14	0.57
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	8	0.57
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	22	0.57
(1,3192)	1:73:A:LEU:HD22	1:73:A:LEU:H	19	0.57
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	11	0.57
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	16	0.57
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	10	0.57
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	22	0.57
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	13	0.57
(1,3144)	1:85:A:VAL:HG21	1:78:A:THR:H	18	0.57
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	24	0.57
(1,3141)	1:140:A:LYS:HD2	1:140:A:LYS:HA	8	0.57
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	13	0.57
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	25	0.57
(1,3117)	1:135:A:LYS:HE3	1:132:A:THR:HG23	3	0.57
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	8	0.57
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	9	0.57
(1,3109)	1:88:A:LEU:HD22	1:131:A:CYS:HA	18	0.57
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	22	0.57
(1,3069)	1:125:A:VAL:HG13	1:129:A:GLU:HA	2	0.57
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	6	0.57
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	13	0.57
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	6	0.57
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	16	0.57
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	18	0.57
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	19	0.57
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	21	0.57
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	24	0.57
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	16	0.57
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	9	0.57
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	8	0.57
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	23	0.57
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	4	0.57
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	14	0.57
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	16	0.57
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	19	0.57
(1,2965)	1:94:A:ARG:HB2	1:138:A:SER:HB3	17	0.57
(1,2954)	1:94:A:ARG:HD3	1:90:A:ASN:H	21	0.57
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	25	0.57
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	23	0.57
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	15	0.57
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	22	0.57
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	17	0.57
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	24	0.57
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	2	0.57
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	25	0.57
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	13	0.57
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	3	0.57
(1,2885)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	16	0.57
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	13	0.57
(1,2855)	1:68:A:GLU:HG3	1:71:A:LEU:HB2	16	0.57
(1,2826)	1:113:A:LEU:HD21	1:113:A:LEU:HA	9	0.57
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	24	0.57
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	7	0.57
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	12	0.57
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	2	0.57
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	7	0.57
(1,2771)	1:135:A:LYS:HG3	1:135:A:LYS:HD2	16	0.57
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	3	0.57
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	17	0.57
(1,2715)	1:84:A:VAL:HG22	1:127:A:ILE:HG12	20	0.57
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	8	0.57
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	20	0.57
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	1	0.57
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	14	0.57
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	16	0.57
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	22	0.57
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	16	0.57
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	8	0.57
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	17	0.57
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	21	0.57
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	20	0.57
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	15	0.57
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	25	0.57
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	19	0.57
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	7	0.57
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	4	0.57
(1,1869)	1:123:A:LEU:HD12	1:123:A:LEU:H	13	0.57
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	18	0.57
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	8	0.57
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	10	0.57
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	11	0.57
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	14	0.57
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB1	21	0.57
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	12	0.57
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	14	0.57
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	2	0.57
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	22	0.57
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	16	0.57
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	7	0.57
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	15	0.57
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	18	0.57
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	19	0.57
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB2	3	0.57
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB3	9	0.57
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	17	0.57
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	3	0.57
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	16	0.57
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	1	0.57
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	16	0.57
(1,1584)	1:130:A:LEU:HD11	1:130:A:LEU:H	5	0.57
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	16	0.57
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	10	0.57
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	4	0.57
(1,1453)	1:121:A:ALA:HB2	1:122:A:LYS:HA	8	0.57
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	2	0.57
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	3	0.57
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	19	0.57
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD13	8	0.57
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	18	0.57
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD11	19	0.57
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	7	0.57
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	12	0.57
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD3	13	0.57
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	16	0.57
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	11	0.57
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	22	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	25	0.57
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	13	0.57
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	19	0.57
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	24	0.57
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	25	0.57
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	3	0.57
(1,1076)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	16	0.57
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	21	0.57
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	1	0.57
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	9	0.57
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	10	0.57
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	11	0.57
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	5	0.57
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	8	0.57
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	20	0.57
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	1	0.57
(1,974)	1:85:A:VAL:HG21	1:86:A:PRO:HD3	6	0.57
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	11	0.57
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	12	0.57
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	17	0.57
(1,974)	1:85:A:VAL:HG21	1:86:A:PRO:HD3	19	0.57
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	21	0.57
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	5	0.57
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	12	0.57
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	8	0.57
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	24	0.57
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	14	0.57
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	4	0.57
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	8	0.57
(1,770)	1:72:A:GLU:HG2	1:72:A:GLU:HB2	22	0.57
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	1	0.57
(1,755)	1:71:A:LEU:HD12	1:85:A:VAL:HA	13	0.57
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	25	0.57
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	18	0.56
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	23	0.56
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	22	0.56
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	2	0.56
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	1	0.56
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	7	0.56
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	16	0.56
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	19	0.56
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	23	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	4	0.56
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	25	0.56
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	6	0.56
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	2	0.56
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	4	0.56
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	6	0.56
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	13	0.56
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	20	0.56
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	23	0.56
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	7	0.56
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	18	0.56
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	22	0.56
(1,3510)	1:130:A:LEU:HD13	1:130:A:LEU:H	2	0.56
(1,3456)	1:113:A:LEU:HD12	1:114:A:SER:H	23	0.56
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	9	0.56
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	12	0.56
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	16	0.56
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	18	0.56
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	14	0.56
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	10	0.56
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	19	0.56
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	11	0.56
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	24	0.56
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD23	8	0.56
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	20	0.56
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	9	0.56
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	16	0.56
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	6	0.56
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	10	0.56
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	11	0.56
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	20	0.56
(1,3201)	1:92:A:GLN:HG3	1:92:A:GLN:H	25	0.56
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	1	0.56
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	5	0.56
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	9	0.56
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	10	0.56
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	4	0.56
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	15	0.56
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	22	0.56
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	12	0.56
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	18	0.56
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	21	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	14	0.56
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	14	0.56
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	17	0.56
(1,3082)	1:127:A:ILE:HG22	1:87:A:PHE:HD2	16	0.56
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	24	0.56
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	9	0.56
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	10	0.56
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	13	0.56
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	23	0.56
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	2	0.56
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	9	0.56
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	11	0.56
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	13	0.56
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	12	0.56
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	13	0.56
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	19	0.56
(1,2917)	1:133:A:VAL:HG21	1:105:A:PHE:HD1	24	0.56
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	19	0.56
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	2	0.56
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	1	0.56
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	8	0.56
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	23	0.56
(1,2885)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	21	0.56
(1,2878)	1:71:A:LEU:HD12	1:88:A:LEU:H	18	0.56
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG23	6	0.56
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	11	0.56
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	9	0.56
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	21	0.56
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG22	20	0.56
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	21	0.56
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	25	0.56
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	4	0.56
(1,2771)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	7	0.56
(1,2771)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	18	0.56
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	3	0.56
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	2	0.56
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	13	0.56
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD12	5	0.56
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD13	6	0.56
(1,2644)	1:71:A:LEU:HD13	1:89:A:TYR:HE1	4	0.56
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	12	0.56
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	1	0.56
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	2	0.56
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	1	0.56
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	11	0.56
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	12	0.56
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	15	0.56
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	25	0.56
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	11	0.56
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	15	0.56
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	23	0.56
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	5	0.56
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	16	0.56
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	21	0.56
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	14	0.56
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	16	0.56
(1,1876)	1:136:A:ALA:HB1	1:135:A:LYS:H	21	0.56
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	8	0.56
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	1	0.56
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	3	0.56
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	4	0.56
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	5	0.56
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	8	0.56
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	17	0.56
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	16	0.56
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB2	18	0.56
(1,1869)	1:123:A:LEU:HD11	1:123:A:LEU:H	12	0.56
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	6	0.56
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	21	0.56
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	3	0.56
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	23	0.56
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	4	0.56
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	6	0.56
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	7	0.56
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	11	0.56
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	17	0.56
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	18	0.56
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	19	0.56
(1,1829)	1:71:A:LEU:HD23	1:72:A:GLU:H	23	0.56
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	12	0.56
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	8	0.56
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	24	0.56
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	21	0.56
(1,1747)	1:104:A:GLU:HG2	1:105:A:PHE:H	6	0.56
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB2	5	0.56
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB2	6	0.56
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB2	12	0.56
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	17	0.56
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB2	23	0.56
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	7	0.56
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	8	0.56
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	10	0.56
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	18	0.56
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	23	0.56
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD12	16	0.56
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	18	0.56
(1,1584)	1:130:A:LEU:HD13	1:130:A:LEU:H	9	0.56
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	7	0.56
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	23	0.56
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	24	0.56
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	7	0.56
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	16	0.56
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	9	0.56
(1,1510)	1:125:A:VAL:HG13	1:127:A:ILE:H	2	0.56
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	13	0.56
(1,1510)	1:125:A:VAL:HG11	1:127:A:ILE:H	15	0.56
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	19	0.56
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	3	0.56
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	14	0.56
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	22	0.56
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	24	0.56
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	12	0.56
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	4	0.56
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	24	0.56
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	20	0.56
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	1	0.56
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	14	0.56
(1,1309)	1:108:A:ILE:HD13	1:130:A:LEU:HD12	20	0.56
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	25	0.56
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	8	0.56
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	17	0.56
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	19	0.56
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	21	0.56
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:103:A:ALA:HB2	1:105:A:PHE:H	17	0.56
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	11	0.56
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	15	0.56
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	19	0.56
(1,1137)	1:114:A:SER:HB2	1:115:A:ARG:H	23	0.56
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	1	0.56
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	8	0.56
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	21	0.56
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	2	0.56
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	8	0.56
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	8	0.56
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	17	0.56
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	4	0.56
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	5	0.56
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	6	0.56
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	16	0.56
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	11	0.56
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	18	0.56
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	7	0.56
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	22	0.56
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	20	0.56
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	22	0.56
(1,856)	1:79:A:ALA:HB3	1:78:A:THR:H	10	0.56
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	3	0.56
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	16	0.56
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	19	0.56
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	24	0.56
(1,788)	1:73:A:LEU:HD21	1:77:A:GLN:HG3	6	0.56
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	21	0.56
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	10	0.56
(1,770)	1:72:A:GLU:HG2	1:72:A:GLU:HB2	25	0.56
(1,755)	1:71:A:LEU:HD12	1:85:A:VAL:HA	9	0.56
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	1	0.56
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	6	0.56
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	25	0.56
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	10	0.56
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	13	0.56
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	7	0.56
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	11	0.56
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	21	0.56
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	4	0.56
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:108:A:ILE:HG22	1:130:A:LEU:HD23	4	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	2	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	4	0.56
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	6	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	7	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	8	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	10	0.56
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	12	0.56
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	13	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	16	0.56
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	17	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	18	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	21	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	24	0.56
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	25	0.56
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	19	0.55
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	6	0.55
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	10	0.55
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	13	0.55
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	14	0.55
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	25	0.55
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	20	0.55
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	5	0.55
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	21	0.55
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	5	0.55
(1,3519)	1:132:A:THR:H	1:134:A:LEU:H	1	0.55
(1,3517)	1:130:A:LEU:HD22	1:131:A:CYS:H	9	0.55
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	22	0.55
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	23	0.55
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	2	0.55
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	25	0.55
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	14	0.55
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	20	0.55
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	3	0.55
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	10	0.55
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	1	0.55
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	5	0.55
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	21	0.55
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	2	0.55
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	21	0.55
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	20	0.55
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	20	0.55
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	7	0.55
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	17	0.55
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	1	0.55
(1,3144)	1:85:A:VAL:HG21	1:78:A:THR:H	6	0.55
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	12	0.55
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	14	0.55
(1,3126)	1:135:A:LYS:HG2	1:136:A:ALA:H	2	0.55
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	16	0.55
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	7	0.55
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	23	0.55
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	5	0.55
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	11	0.55
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	21	0.55
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	23	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	4	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	5	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	8	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	12	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	17	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	23	0.55
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	25	0.55
(1,3019)	1:66:A:LEU:HD11	1:110:A:SER:HB2	6	0.55
(1,3019)	1:66:A:LEU:HD13	1:110:A:SER:HB2	10	0.55
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	21	0.55
(1,2969)	1:95:A:ALA:HB1	1:137:A:HIS:HB2	17	0.55
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	1	0.55
(1,2964)	1:94:A:ARG:HB3	1:91:A:ARG:HA	25	0.55
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	12	0.55
(1,2944)	1:88:A:LEU:HD23	1:70:A:PHE:HB3	15	0.55
(1,2944)	1:88:A:LEU:HD22	1:70:A:PHE:HB3	17	0.55
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	22	0.55
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	5	0.55
(1,2885)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	14	0.55
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	22	0.55
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	15	0.55
(1,2875)	1:71:A:LEU:HD13	1:75:A:LYS:HE2	5	0.55
(1,2845)	1:135:A:LYS:HE2	1:132:A:THR:HA	5	0.55
(1,2826)	1:113:A:LEU:HD13	1:113:A:LEU:HA	17	0.55
(1,2826)	1:113:A:LEU:HD13	1:113:A:LEU:HA	22	0.55
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	3	0.55
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	13	0.55
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	20	0.55
(1,2765)	1:113:A:LEU:HD13	1:70:A:PHE:HD2	15	0.55
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB2	22	0.55
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	25	0.55
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	17	0.55
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	18	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	5	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	8	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	11	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	13	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	18	0.55
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	25	0.55
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	15	0.55
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	8	0.55
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	17	0.55
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	9	0.55
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	10	0.55
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	20	0.55
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	21	0.55
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	2	0.55
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	1	0.55
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	2	0.55
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	5	0.55
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	9	0.55
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	10	0.55
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	12	0.55
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	13	0.55
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	21	0.55
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	24	0.55
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	5	0.55
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	24	0.55
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	8	0.55
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD3	16	0.55
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	12	0.55
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	15	0.55
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	20	0.55
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	11	0.55
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	23	0.55
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	1	0.55
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	6	0.55
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	22	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	10	0.55
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	24	0.55
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	10	0.55
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	19	0.55
(1,1861)	1:113:A:LEU:HD23	1:114:A:SER:H	8	0.55
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	1	0.55
(1,1853)	1:98:A:LEU:HD12	1:99:A:PHE:H	7	0.55
(1,1829)	1:71:A:LEU:HD23	1:72:A:GLU:H	1	0.55
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	2	0.55
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	3	0.55
(1,1829)	1:71:A:LEU:HD23	1:72:A:GLU:H	4	0.55
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	5	0.55
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	9	0.55
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	10	0.55
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	13	0.55
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	16	0.55
(1,1829)	1:71:A:LEU:HD23	1:72:A:GLU:H	20	0.55
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	21	0.55
(1,1829)	1:71:A:LEU:HD22	1:72:A:GLU:H	24	0.55
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	10	0.55
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG2	14	0.55
(1,1818)	1:76:A:MET:HG2	1:76:A:MET:H	9	0.55
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	4	0.55
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	21	0.55
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	22	0.55
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	14	0.55
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB3	13	0.55
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB2	15	0.55
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB2	25	0.55
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	1	0.55
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	2	0.55
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	11	0.55
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	12	0.55
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	14	0.55
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	12	0.55
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	16	0.55
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD11	11	0.55
(1,1587)	1:130:A:LEU:HD11	1:109:A:LEU:HD12	16	0.55
(1,1584)	1:130:A:LEU:HD13	1:130:A:LEU:H	23	0.55
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	11	0.55
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	3	0.55
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:125:A:VAL:HG12	1:127:A:ILE:H	9	0.55
(1,1510)	1:125:A:VAL:HG11	1:127:A:ILE:H	20	0.55
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	2	0.55
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	6	0.55
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	13	0.55
(1,1453)	1:121:A:ALA:HB2	1:122:A:LYS:HA	18	0.55
(1,1453)	1:121:A:ALA:HB2	1:122:A:LYS:HA	25	0.55
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	1	0.55
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	8	0.55
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	21	0.55
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	10	0.55
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	17	0.55
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	21	0.55
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	6	0.55
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	16	0.55
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	19	0.55
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	23	0.55
(1,1309)	1:108:A:ILE:HD11	1:130:A:LEU:HD11	17	0.55
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	21	0.55
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	6	0.55
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	24	0.55
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	4	0.55
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	23	0.55
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	8	0.55
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	5	0.55
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	6	0.55
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	14	0.55
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	15	0.55
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	24	0.55
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	1	0.55
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	16	0.55
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	1	0.55
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	2	0.55
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	6	0.55
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	7	0.55
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	21	0.55
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	6	0.55
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	7	0.55
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	12	0.55
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	15	0.55
(1,1076)	1:134:A:LEU:HD12	1:91:A:ARG:HD3	14	0.55
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	12	0.55
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD23	13	0.55
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	21	0.55
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	1	0.55
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	13	0.55
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	23	0.55
(1,931)	1:133:A:VAL:HG23	1:99:A:PHE:HZ	12	0.55
(1,931)	1:133:A:VAL:HG21	1:99:A:PHE:HZ	21	0.55
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	22	0.55
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	5	0.55
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	12	0.55
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	17	0.55
(1,770)	1:72:A:GLU:HG2	1:72:A:GLU:HB2	23	0.55
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	2	0.55
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	22	0.55
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	20	0.55
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD12	12	0.55
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	23	0.55
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	24	0.55
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	1	0.55
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	3	0.55
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	5	0.55
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	9	0.55
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	11	0.55
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	14	0.55
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD11	15	0.55
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	19	0.55
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	20	0.55
(1,2)	1:61:A:LEU:HD12	1:61:A:LEU:HD13	22	0.55
(1,2)	1:61:A:LEU:HD11	1:61:A:LEU:HD13	23	0.55
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	5	0.54
(1,3577)	1:127:A:ILE:HD12	1:70:A:PHE:HZ	1	0.54
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	5	0.54
(1,3574)	1:96:A:HIS:HE1	1:139:A:ALA:HA	18	0.54
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	24	0.54
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	5	0.54
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	6	0.54
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	12	0.54
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	17	0.54
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	1	0.54
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	12	0.54
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	11	0.54
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	18	0.54
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	14	0.54
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	16	0.54
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	15	0.54
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	25	0.54
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	8	0.54
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	17	0.54
(1,3451)	1:109:A:LEU:HD23	1:113:A:LEU:H	24	0.54
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	5	0.54
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	11	0.54
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD23	10	0.54
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	15	0.54
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	16	0.54
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	8	0.54
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	11	0.54
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	16	0.54
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	8	0.54
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	5	0.54
(1,3266)	1:69:A:GLU:HB3	1:69:A:GLU:H	13	0.54
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	24	0.54
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	14	0.54
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	21	0.54
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	23	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD11	7	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	15	0.54
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	17	0.54
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	1	0.54
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	15	0.54
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	9	0.54
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	13	0.54
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	24	0.54
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	12	0.54
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	15	0.54
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	17	0.54
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	23	0.54
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	16	0.54
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	12	0.54
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	19	0.54
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	24	0.54
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	14	0.54
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3125)	1:134:A:LEU:HD23	1:91:A:ARG:HB3	12	0.54
(1,3092)	1:125:A:VAL:HG11	1:128:A:ASN:HB2	21	0.54
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	10	0.54
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	23	0.54
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	4	0.54
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	9	0.54
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	14	0.54
(1,3069)	1:125:A:VAL:HG11	1:129:A:GLU:HA	15	0.54
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	24	0.54
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	10	0.54
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	3	0.54
(1,3031)	1:113:A:LEU:HD13	1:66:A:LEU:HB2	3	0.54
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	5	0.54
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	10	0.54
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	3	0.54
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	10	0.54
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	15	0.54
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	22	0.54
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	5	0.54
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	5	0.54
(1,3007)	1:108:A:ILE:HG21	1:130:A:LEU:H	18	0.54
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	24	0.54
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	7	0.54
(1,2986)	1:100:A:LEU:HD22	1:105:A:PHE:HZ	8	0.54
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	24	0.54
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	8	0.54
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	11	0.54
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	18	0.54
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	20	0.54
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	12	0.54
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	18	0.54
(1,2928)	1:84:A:VAL:HG11	1:87:A:PHE:HB2	3	0.54
(1,2926)	1:87:A:PHE:HB2	1:88:A:LEU:HB2	3	0.54
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG21	25	0.54
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	11	0.54
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	2	0.54
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	1	0.54
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	14	0.54
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	21	0.54
(1,2904)	1:79:A:ALA:HB2	1:80:A:ASP:HA	13	0.54
(1,2885)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	9	0.54
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	6	0.54
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	2	0.54
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	21	0.54
(1,2826)	1:113:A:LEU:HD11	1:113:A:LEU:HA	5	0.54
(1,2826)	1:113:A:LEU:HD11	1:113:A:LEU:HA	11	0.54
(1,2826)	1:113:A:LEU:HD12	1:113:A:LEU:HA	16	0.54
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	22	0.54
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	2	0.54
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	18	0.54
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	21	0.54
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	24	0.54
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG12	19	0.54
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	22	0.54
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	2	0.54
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	21	0.54
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	10	0.54
(1,2644)	1:71:A:LEU:HD11	1:89:A:TYR:HE1	23	0.54
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	2	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	1	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	2	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	4	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	5	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	8	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	11	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	12	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	13	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	14	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	15	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	16	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	17	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	18	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	19	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	20	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	21	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	22	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	23	0.54
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	25	0.54
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	8	0.54
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	2	0.54
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	25	0.54
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	15	0.54
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	6	0.54
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	14	0.54
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	5	0.54
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	3	0.54
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	6	0.54
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	14	0.54
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	19	0.54
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	25	0.54
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	2	0.54
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	9	0.54
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG2	6	0.54
(1,1876)	1:136:A:ALA:HB2	1:135:A:LYS:H	18	0.54
(1,1876)	1:136:A:ALA:HB3	1:135:A:LYS:H	24	0.54
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	4	0.54
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	6	0.54
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	12	0.54
(1,1872)	1:127:A:ILE:HD12	1:128:A:ASN:H	15	0.54
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB2	9	0.54
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	14	0.54
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	23	0.54
(1,1869)	1:123:A:LEU:HD13	1:123:A:LEU:H	24	0.54
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	20	0.54
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	13	0.54
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	6	0.54
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	12	0.54
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	20	0.54
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB3	5	0.54
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	9	0.54
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	8	0.54
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	14	0.54
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	15	0.54
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	4	0.54
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	11	0.54
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	4	0.54
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	3	0.54
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	21	0.54
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD12	6	0.54
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	12	0.54
(1,1584)	1:130:A:LEU:HD12	1:130:A:LEU:H	25	0.54
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	5	0.54
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	8	0.54
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:123:A:LEU:HD22	1:124:A:TYR:H	25	0.54
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	15	0.54
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	4	0.54
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	7	0.54
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	3	0.54
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	16	0.54
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	2	0.54
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	6	0.54
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	6	0.54
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	9	0.54
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	4	0.54
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	5	0.54
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	10	0.54
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	13	0.54
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	17	0.54
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	22	0.54
(1,1308)	1:104:A:GLU:HB2	1:108:A:ILE:HD12	3	0.54
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	18	0.54
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	22	0.54
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	11	0.54
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	13	0.54
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	11	0.54
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	13	0.54
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	24	0.54
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	9	0.54
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	14	0.54
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	20	0.54
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	22	0.54
(1,1202)	1:101:A:ALA:HB1	1:100:A:LEU:H	23	0.54
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	3	0.54
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	21	0.54
(1,1076)	1:134:A:LEU:HD13	1:91:A:ARG:HD3	9	0.54
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	9	0.54
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	12	0.54
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	2	0.54
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	7	0.54
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	20	0.54
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	24	0.54
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	2	0.54
(1,974)	1:85:A:VAL:HG23	1:86:A:PRO:HD3	9	0.54
(1,974)	1:85:A:VAL:HG22	1:86:A:PRO:HD3	24	0.54
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:84:A:VAL:HG12	1:87:A:PHE:H	21	0.54
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	25	0.54
(1,862)	1:79:A:ALA:HB2	1:80:A:ASP:HB2	13	0.54
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	8	0.54
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	10	0.54
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	16	0.54
(1,755)	1:71:A:LEU:HD12	1:85:A:VAL:HA	18	0.54
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	24	0.54
(1,752)	1:71:A:LEU:HD12	1:89:A:TYR:HB3	9	0.54
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	15	0.54
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	21	0.54
(1,161)	1:123:A:LEU:HD21	1:77:A:GLN:HB3	10	0.54
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD23	15	0.54
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	2	0.54
(1,22)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	4	0.54
(1,22)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	6	0.54
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	8	0.54
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	9	0.54
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	15	0.54
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	16	0.54
(1,22)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	20	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	1	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	2	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	3	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	4	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	5	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	6	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	7	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	8	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	9	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	10	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	11	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	12	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	13	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	14	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	15	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	16	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD23	17	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	18	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	19	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	20	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	21	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	22	0.54
(1,21)	1:98:A:LEU:HD21	1:98:A:LEU:HD23	23	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	24	0.54
(1,21)	1:98:A:LEU:HD22	1:98:A:LEU:HD21	25	0.54
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	8	0.53
(1,3579)	1:130:A:LEU:HD21	1:70:A:PHE:HE1	20	0.53
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	15	0.53
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	23	0.53
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	4	0.53
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	9	0.53
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	11	0.53
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	6	0.53
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	7	0.53
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	14	0.53
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	16	0.53
(1,3528)	1:136:A:ALA:HB1	1:135:A:LYS:H	21	0.53
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	9	0.53
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	1	0.53
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	23	0.53
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	13	0.53
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	19	0.53
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	23	0.53
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	18	0.53
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	22	0.53
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	2	0.53
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	12	0.53
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	19	0.53
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	12	0.53
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	5	0.53
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	22	0.53
(1,3266)	1:69:A:GLU:HB3	1:69:A:GLU:H	14	0.53
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	16	0.53
(1,3239)	1:63:A:ASN:H	1:64:A:GLU:HB2	17	0.53
(1,3208)	1:118:A:SER:H	1:117:A:ARG:HG3	18	0.53
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	1	0.53
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	8	0.53
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	25	0.53
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	5	0.53
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	16	0.53
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	23	0.53
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	8	0.53
(1,3190)	1:88:A:LEU:HD11	1:71:A:LEU:H	21	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	7	0.53
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	21	0.53
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	21	0.53
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	6	0.53
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	12	0.53
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	10	0.53
(1,3144)	1:85:A:VAL:HG23	1:78:A:THR:H	11	0.53
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	20	0.53
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	17	0.53
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	18	0.53
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	4	0.53
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	4	0.53
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	20	0.53
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	6	0.53
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	4	0.53
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	23	0.53
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	11	0.53
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	1	0.53
(1,3022)	1:112:A:VAL:HA	1:113:A:LEU:HA	7	0.53
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	1	0.53
(1,3010)	1:108:A:ILE:HD11	1:105:A:PHE:HE1	10	0.53
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	12	0.53
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	5	0.53
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	3	0.53
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	15	0.53
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	16	0.53
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	24	0.53
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	1	0.53
(1,2878)	1:71:A:LEU:HD12	1:88:A:LEU:H	9	0.53
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	16	0.53
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	2	0.53
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	1	0.53
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	10	0.53
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	21	0.53
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	6	0.53
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD13	12	0.53
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	3	0.53
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	4	0.53
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	17	0.53
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	19	0.53
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	24	0.53
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	3	0.53
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	6	0.53
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	7	0.53
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	9	0.53
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	10	0.53
(1,2603)	1:89:A:TYR:HD1	1:89:A:TYR:HE1	24	0.53
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD2	23	0.53
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	4	0.53
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	24	0.53
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	6	0.53
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	19	0.53
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	21	0.53
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	4	0.53
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	8	0.53
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	17	0.53
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	2	0.53
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	16	0.53
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	5	0.53
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	9	0.53
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	14	0.53
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	24	0.53
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	17	0.53
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	1	0.53
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	25	0.53
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	2	0.53
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	9	0.53
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	16	0.53
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	10	0.53
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	13	0.53
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	15	0.53
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	15	0.53
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	16	0.53
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	23	0.53
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	4	0.53
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	24	0.53
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	22	0.53
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	25	0.53
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	3	0.53
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD21	8	0.53
(1,1829)	1:71:A:LEU:HD23	1:72:A:GLU:H	25	0.53
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD23	19	0.53
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	12	0.53
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	17	0.53
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	9	0.53
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	12	0.53
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	5	0.53
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	6	0.53
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	9	0.53
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB2	9	0.53
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	9	0.53
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	9	0.53
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	3	0.53
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	5	0.53
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	8	0.53
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	9	0.53
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	10	0.53
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	4	0.53
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	8	0.53
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	2	0.53
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	6	0.53
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	15	0.53
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	11	0.53
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	23	0.53
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	3	0.53
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	10	0.53
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	16	0.53
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	20	0.53
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	23	0.53
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	24	0.53
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	25	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	1	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	2	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	3	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	7	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	11	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	12	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	14	0.53
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	25	0.53
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	9	0.53
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	3	0.53
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	10	0.53
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	15	0.53
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB1	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	6	0.53
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	8	0.53
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	13	0.53
(1,1205)	1:101:A:ALA:HB3	1:60:A:LYS:HG3	25	0.53
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	21	0.53
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	8	0.53
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	5	0.53
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	14	0.53
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	5	0.53
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	15	0.53
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	14	0.53
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD23	18	0.53
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	17	0.53
(1,974)	1:85:A:VAL:HG21	1:86:A:PRO:HD3	25	0.53
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	4	0.53
(1,911)	1:84:A:VAL:HA	1:87:A:PHE:HD1	7	0.53
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	2	0.53
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	4	0.53
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	6	0.53
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	21	0.53
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	25	0.53
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	7	0.53
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	2	0.53
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	15	0.53
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	20	0.53
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	25	0.53
(1,106)	1:80:A:ASP:HA	1:80:A:ASP:HB2	21	0.53
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD22	14	0.53
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD22	22	0.53
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD22	25	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	1	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	3	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	5	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	7	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	10	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	11	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	12	0.53
(1,22)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	13	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	14	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	17	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	18	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	21	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	22	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	23	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	24	0.53
(1,22)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	25	0.53
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	5	0.52
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	5	0.52
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	6	0.52
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	17	0.52
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	24	0.52
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB1	14	0.52
(1,3535)	1:134:A:LEU:HD13	1:137:A:HIS:H	1	0.52
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	10	0.52
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	12	0.52
(1,3467)	1:123:A:LEU:H	1:124:A:TYR:HB3	16	0.52
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	16	0.52
(1,3454)	1:114:A:SER:H	1:117:A:ARG:HB2	23	0.52
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	1	0.52
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	17	0.52
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	9	0.52
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	8	0.52
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	9	0.52
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	11	0.52
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	20	0.52
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	25	0.52
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	5	0.52
(1,3370)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	19	0.52
(1,3352)	1:90:A:ASN:HD21	1:93:A:GLN:HB2	16	0.52
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	24	0.52
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	7	0.52
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG13	13	0.52
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	22	0.52
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	7	0.52
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	22	0.52
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	6	0.52
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	12	0.52
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	24	0.52
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	3	0.52
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	24	0.52
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	6	0.52
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	15	0.52
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	13	0.52
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	14	0.52
(1,3190)	1:88:A:LEU:HD12	1:71:A:LEU:H	15	0.52
(1,3188)	1:62:A:GLU:H	1:60:A:LYS:HG3	13	0.52
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	22	0.52
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	6	0.52
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	8	0.52
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	10	0.52
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	8	0.52
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	1	0.52
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	9	0.52
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	24	0.52
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	10	0.52
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	15	0.52
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG21	19	0.52
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	24	0.52
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	16	0.52
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	19	0.52
(1,3109)	1:88:A:LEU:HD23	1:131:A:CYS:HA	25	0.52
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	8	0.52
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	17	0.52
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	10	0.52
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	4	0.52
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	23	0.52
(1,3031)	1:113:A:LEU:HD12	1:66:A:LEU:HB2	24	0.52
(1,3024)	1:112:A:VAL:HG12	1:127:A:ILE:H	24	0.52
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	15	0.52
(1,2986)	1:100:A:LEU:HD21	1:105:A:PHE:HZ	22	0.52
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	3	0.52
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	17	0.52
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	7	0.52
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	11	0.52
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	13	0.52
(1,2888)	1:73:A:LEU:HD23	1:70:A:PHE:HB2	20	0.52
(1,2885)	1:134:A:LEU:HD13	1:131:A:CYS:HB3	15	0.52
(1,2885)	1:134:A:LEU:HD12	1:131:A:CYS:HB3	22	0.52
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	7	0.52
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	17	0.52
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	11	0.52
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	25	0.52
(1,2826)	1:113:A:LEU:HD12	1:113:A:LEU:HA	1	0.52
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG22	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	21	0.52
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	25	0.52
(1,2795)	1:116:A:ALA:HB1	1:70:A:PHE:HD2	9	0.52
(1,2795)	1:116:A:ALA:HB1	1:70:A:PHE:HD2	16	0.52
(1,2771)	1:142:A:LYS:HD2	1:142:A:LYS:HG3	1	0.52
(1,2771)	1:135:A:LYS:HG2	1:135:A:LYS:HD3	3	0.52
(1,2771)	1:135:A:LYS:HG3	1:135:A:LYS:HD2	24	0.52
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	25	0.52
(1,2762)	1:73:A:LEU:HD21	1:117:A:ARG:HA	19	0.52
(1,2738)	1:101:A:ALA:HB2	1:58:A:CYS:HB2	15	0.52
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	4	0.52
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	9	0.52
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD11	9	0.52
(1,2708)	1:123:A:LEU:HD11	1:73:A:LEU:HD11	20	0.52
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	20	0.52
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	24	0.52
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	7	0.52
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	13	0.52
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	14	0.52
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	9	0.52
(1,2644)	1:71:A:LEU:HD12	1:89:A:TYR:HE1	6	0.52
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	10	0.52
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	20	0.52
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	21	0.52
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	13	0.52
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	22	0.52
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	5	0.52
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	13	0.52
(1,2410)	1:123:A:LEU:HD21	1:123:A:LEU:H	23	0.52
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	4	0.52
(1,2337)	1:108:A:ILE:HG23	1:108:A:ILE:H	7	0.52
(1,2337)	1:108:A:ILE:HG21	1:108:A:ILE:H	16	0.52
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	22	0.52
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	12	0.52
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	22	0.52
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	12	0.52
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	1	0.52
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	11	0.52
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	15	0.52
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	16	0.52
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	17	0.52
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	21	0.52
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	23	0.52
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	25	0.52
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	11	0.52
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	23	0.52
(1,1872)	1:127:A:ILE:HD11	1:128:A:ASN:H	7	0.52
(1,1872)	1:127:A:ILE:HD13	1:128:A:ASN:H	18	0.52
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	21	0.52
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	11	0.52
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	17	0.52
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	18	0.52
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	24	0.52
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	2	0.52
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	5	0.52
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	7	0.52
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	20	0.52
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	24	0.52
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	25	0.52
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	11	0.52
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	16	0.52
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	22	0.52
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	4	0.52
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	20	0.52
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	6	0.52
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	20	0.52
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	6	0.52
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	13	0.52
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	2	0.52
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	6	0.52
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	6	0.52
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	4	0.52
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	5	0.52
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	22	0.52
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	19	0.52
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	11	0.52
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD11	8	0.52
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	3	0.52
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	9	0.52
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	12	0.52
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	21	0.52
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	6	0.52
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	17	0.52
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	10	0.52
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	16	0.52
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	19	0.52
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	22	0.52
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	1	0.52
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	3	0.52
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	8	0.52
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	15	0.52
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	18	0.52
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	20	0.52
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	21	0.52
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	24	0.52
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	8	0.52
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	11	0.52
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	19	0.52
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	24	0.52
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	25	0.52
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	2	0.52
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	7	0.52
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	10	0.52
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	12	0.52
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	15	0.52
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	9	0.52
(1,1126)	1:95:A:ALA:HB1	1:100:A:LEU:H	17	0.52
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	23	0.52
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	6	0.52
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	22	0.52
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	7	0.52
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	13	0.52
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	18	0.52
(1,788)	1:73:A:LEU:HD23	1:77:A:GLN:HG3	17	0.52
(1,773)	1:71:A:LEU:HD11	1:72:A:GLU:HG2	12	0.52
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	14	0.52
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	7	0.52
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	16	0.52
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	21	0.52
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	6	0.52
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	6	0.52
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	15	0.52
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD12	19	0.52
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	7	0.51
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	15	0.51
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	16	0.51
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	2	0.51
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	21	0.51
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	5	0.51
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	13	0.51
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB1	13	0.51
(1,3538)	1:138:A:SER:H	1:141:A:LYS:HG2	19	0.51
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	3	0.51
(1,3535)	1:134:A:LEU:HD13	1:137:A:HIS:H	9	0.51
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	11	0.51
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	13	0.51
(1,3528)	1:136:A:ALA:HB2	1:135:A:LYS:H	18	0.51
(1,3528)	1:136:A:ALA:HB3	1:135:A:LYS:H	24	0.51
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	19	0.51
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	4	0.51
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	8	0.51
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	10	0.51
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	18	0.51
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	21	0.51
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	19	0.51
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	24	0.51
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	22	0.51
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	25	0.51
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	11	0.51
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	10	0.51
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	2	0.51
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	23	0.51
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	12	0.51
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	14	0.51
(1,3239)	1:62:A:GLU:HG3	1:63:A:ASN:H	9	0.51
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD23	5	0.51
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG3	18	0.51
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	1	0.51
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	3	0.51
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	23	0.51
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	1	0.51
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	7	0.51
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	12	0.51
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	15	0.51
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	4	0.51
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	5	0.51
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	21	0.51
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	25	0.51
(1,3188)	1:62:A:GLU:H	1:60:A:LYS:HG3	7	0.51
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG2	23	0.51
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	20	0.51
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	24	0.51
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	11	0.51
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	16	0.51
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	11	0.51
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	19	0.51
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	2	0.51
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG21	6	0.51
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	11	0.51
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG21	18	0.51
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	19	0.51
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	9	0.51
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	16	0.51
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	23	0.51
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	1	0.51
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	17	0.51
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	19	0.51
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	22	0.51
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	14	0.51
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	5	0.51
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	14	0.51
(1,2944)	1:88:A:LEU:HD23	1:70:A:PHE:HB3	13	0.51
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	8	0.51
(1,2915)	1:133:A:VAL:HG22	1:132:A:THR:H	21	0.51
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	18	0.51
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	3	0.51
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	8	0.51
(1,2878)	1:71:A:LEU:HD12	1:88:A:LEU:H	13	0.51
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	19	0.51
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	14	0.51
(1,2854)	1:62:A:GLU:HG3	1:61:A:LEU:HB2	18	0.51
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB3	11	0.51
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB1	18	0.51
(1,2826)	1:113:A:LEU:HD13	1:113:A:LEU:HA	10	0.51
(1,2826)	1:113:A:LEU:HD12	1:113:A:LEU:HA	23	0.51
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:84:A:VAL:HG23	1:78:A:THR:HG22	2	0.51
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	2	0.51
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	14	0.51
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	25	0.51
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	1	0.51
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	16	0.51
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	20	0.51
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG11	21	0.51
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	23	0.51
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	7	0.51
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	15	0.51
(1,2647)	1:92:A:GLN:HB2	1:89:A:TYR:HD1	7	0.51
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	3	0.51
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	8	0.51
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	12	0.51
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	20	0.51
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	23	0.51
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	12	0.51
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	20	0.51
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	10	0.51
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	24	0.51
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	2	0.51
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	20	0.51
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	19	0.51
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	25	0.51
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	18	0.51
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	3	0.51
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	6	0.51
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	7	0.51
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	19	0.51
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	20	0.51
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	4	0.51
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	2	0.51
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	7	0.51
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	1	0.51
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	4	0.51
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	6	0.51
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	24	0.51
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB2	8	0.51
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	12	0.51
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB2	19	0.51
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	23	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	17	0.51
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	23	0.51
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	1	0.51
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	4	0.51
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	11	0.51
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	12	0.51
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	14	0.51
(1,1863)	1:112:A:VAL:HG22	1:114:A:SER:H	22	0.51
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	19	0.51
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	22	0.51
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	3	0.51
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	2	0.51
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	14	0.51
(1,1788)	1:135:A:LYS:H	1:135:A:LYS:HG3	16	0.51
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	17	0.51
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	25	0.51
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	3	0.51
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	10	0.51
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	12	0.51
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	13	0.51
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	17	0.51
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	19	0.51
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	24	0.51
(1,1747)	1:104:A:GLU:HG2	1:105:A:PHE:H	21	0.51
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB2	8	0.51
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	16	0.51
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB2	22	0.51
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	17	0.51
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	19	0.51
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	25	0.51
(1,1697)	1:65:A:LYS:HG2	1:68:A:GLU:HB2	19	0.51
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	24	0.51
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	7	0.51
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	8	0.51
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	20	0.51
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	7	0.51
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	10	0.51
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	25	0.51
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	25	0.51
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	1	0.51
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	4	0.51
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	15	0.51
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	18	0.51
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	14	0.51
(1,1485)	1:123:A:LEU:HD22	1:124:A:TYR:H	19	0.51
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	24	0.51
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	12	0.51
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	17	0.51
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	5	0.51
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	18	0.51
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	17	0.51
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	13	0.51
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	17	0.51
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	25	0.51
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	6	0.51
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	7	0.51
(1,1332)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	9	0.51
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	17	0.51
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	21	0.51
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	1	0.51
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	2	0.51
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG21	20	0.51
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	5	0.51
(1,1224)	1:103:A:ALA:HB1	1:105:A:PHE:H	9	0.51
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	3	0.51
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	23	0.51
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	18	0.51
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	11	0.51
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	19	0.51
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	23	0.51
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	11	0.51
(1,922)	1:84:A:VAL:HG11	1:87:A:PHE:H	14	0.51
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	25	0.51
(1,919)	1:81:A:HIS:HB2	1:84:A:VAL:HG11	17	0.51
(1,862)	1:79:A:ALA:HB3	1:80:A:ASP:HB2	5	0.51
(1,862)	1:79:A:ALA:HB3	1:80:A:ASP:HB2	9	0.51
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	9	0.51
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	12	0.51
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	23	0.51
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	15	0.51
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	4	0.51
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	8	0.51
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	15	0.51
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	4	0.51
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	17	0.51
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	22	0.51
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	6	0.51
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	19	0.51
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	20	0.51
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	22	0.51
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE2	16	0.51
(1,553)	1:122:A:LYS:HE3	1:126:A:TYR:HE2	16	0.51
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	9	0.5
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	2	0.5
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	18	0.5
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	4	0.5
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	12	0.5
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	3	0.5
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	16	0.5
(1,3535)	1:134:A:LEU:HD13	1:137:A:HIS:H	13	0.5
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	17	0.5
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD13	6	0.5
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	24	0.5
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	14	0.5
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	16	0.5
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	3	0.5
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	5	0.5
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	6	0.5
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	13	0.5
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	17	0.5
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	20	0.5
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	14	0.5
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	17	0.5
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	21	0.5
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	20	0.5
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	20	0.5
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	21	0.5
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	22	0.5
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	17	0.5
(1,3284)	1:113:A:LEU:HD21	1:73:A:LEU:H	7	0.5
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	2	0.5
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	8	0.5
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	9	0.5
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:64:A:GLU:H	1:60:A:LYS:HG2	25	0.5
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	6	0.5
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	19	0.5
(1,3239)	1:62:A:GLU:HG3	1:63:A:ASN:H	23	0.5
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	10	0.5
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	23	0.5
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	17	0.5
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	18	0.5
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	22	0.5
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	19	0.5
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	3	0.5
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	21	0.5
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	12	0.5
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	16	0.5
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	7	0.5
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	25	0.5
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	16	0.5
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	20	0.5
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	24	0.5
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	3	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	1	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	4	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	5	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	7	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	9	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	14	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	17	0.5
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	21	0.5
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG23	18	0.5
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	2	0.5
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	9	0.5
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG22	15	0.5
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	24	0.5
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	20	0.5
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	25	0.5
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG21	11	0.5
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG21	25	0.5
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	14	0.5
(1,3069)	1:125:A:VAL:HG12	1:129:A:GLU:HA	19	0.5
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	2	0.5
(1,3061)	1:123:A:LEU:HD23	1:78:A:THR:HB	14	0.5
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	24	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	19	0.5
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	24	0.5
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	20	0.5
(1,2994)	1:101:A:ALA:HB1	1:59:A:TYR:H	24	0.5
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	7	0.5
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	2	0.5
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	6	0.5
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	5	0.5
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	25	0.5
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	15	0.5
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	24	0.5
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	25	0.5
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	3	0.5
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	17	0.5
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	23	0.5
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB1	4	0.5
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	25	0.5
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG21	22	0.5
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	21	0.5
(1,2771)	1:135:A:LYS:HG3	1:135:A:LYS:HD2	19	0.5
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	12	0.5
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	20	0.5
(1,2765)	1:113:A:LEU:HD13	1:70:A:PHE:HD2	24	0.5
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	6	0.5
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	8	0.5
(1,2708)	1:88:A:LEU:HD12	1:123:A:LEU:HD13	4	0.5
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	17	0.5
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	18	0.5
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	10	0.5
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	24	0.5
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	1	0.5
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	10	0.5
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	16	0.5
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	21	0.5
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	24	0.5
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	25	0.5
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	16	0.5
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	24	0.5
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	16	0.5
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	18	0.5
(1,2410)	1:123:A:LEU:HD23	1:123:A:LEU:H	7	0.5
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	8	0.5
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	9	0.5
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	16	0.5
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	18	0.5
(1,2337)	1:108:A:ILE:HG22	1:108:A:ILE:H	18	0.5
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	6	0.5
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	15	0.5
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	24	0.5
(1,2111)	1:84:A:VAL:HG21	1:85:A:VAL:H	2	0.5
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	4	0.5
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	8	0.5
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	10	0.5
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	15	0.5
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	5	0.5
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	17	0.5
(1,1875)	1:135:A:LYS:H	1:135:A:LYS:HD3	19	0.5
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	12	0.5
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	20	0.5
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	4	0.5
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	10	0.5
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB2	25	0.5
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	1	0.5
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	8	0.5
(1,1862)	1:113:A:LEU:HD13	1:114:A:SER:H	10	0.5
(1,1829)	1:71:A:LEU:HD21	1:72:A:GLU:H	22	0.5
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	18	0.5
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	13	0.5
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	9	0.5
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	11	0.5
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	16	0.5
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	20	0.5
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	21	0.5
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	25	0.5
(1,1734)	1:103:A:ALA:HB1	1:102:A:SER:HB3	18	0.5
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	15	0.5
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	20	0.5
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	10	0.5
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	11	0.5
(1,1637)	1:134:A:LEU:HD23	1:134:A:LEU:HB2	1	0.5
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	4	0.5
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	11	0.5
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	20	0.5
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	21	0.5
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	23	0.5
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	2	0.5
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	6	0.5
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	14	0.5
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	23	0.5
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	12	0.5
(1,1520)	1:125:A:VAL:HG23	1:122:A:LYS:HD2	20	0.5
(1,1517)	1:125:A:VAL:HG21	1:124:A:TYR:H	2	0.5
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	1	0.5
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	10	0.5
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	5	0.5
(1,1453)	1:121:A:ALA:HB2	1:122:A:LYS:HA	9	0.5
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	14	0.5
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	16	0.5
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	24	0.5
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	12	0.5
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	20	0.5
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	4	0.5
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	2	0.5
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	6	0.5
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	10	0.5
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	13	0.5
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	14	0.5
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	5	0.5
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG23	9	0.5
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	23	0.5
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	25	0.5
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	10	0.5
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	19	0.5
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	23	0.5
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	4	0.5
(1,1087)	1:92:A:GLN:HA	1:92:A:GLN:HG2	9	0.5
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD23	14	0.5
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	19	0.5
(1,984)	1:87:A:PHE:HA	1:86:A:PRO:HB3	10	0.5
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	16	0.5
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	17	0.5
(1,931)	1:133:A:VAL:HG22	1:99:A:PHE:HZ	25	0.5
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	10	0.5
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	23	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:79:A:ALA:HB1	1:80:A:ASP:HB2	15	0.5
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	17	0.5
(1,755)	1:71:A:LEU:HD12	1:85:A:VAL:HA	5	0.5
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	6	0.5
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	10	0.5
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	8	0.5
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	11	0.5
(1,752)	1:71:A:LEU:HD12	1:89:A:TYR:HB3	13	0.5
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	14	0.5
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	17	0.5
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	19	0.5
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	22	0.5
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	13	0.5
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	2	0.5
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	2	0.5
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	13	0.5
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	19	0.5
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD23	3	0.5
(1,3580)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	18	0.49
(1,3574)	1:96:A:HIS:HE1	1:139:A:ALA:HA	9	0.49
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	1	0.49
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	14	0.49
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	9	0.49
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	11	0.49
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	14	0.49
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD13	1	0.49
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	2	0.49
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	6	0.49
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD11	22	0.49
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	22	0.49
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	4	0.49
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	7	0.49
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	21	0.49
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	24	0.49
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	12	0.49
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	22	0.49
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	6	0.49
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	10	0.49
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	13	0.49
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	1	0.49
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	16	0.49
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	18	0.49
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	11	0.49
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	24	0.49
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	14	0.49
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	21	0.49
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	10	0.49
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	9	0.49
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	15	0.49
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	20	0.49
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	18	0.49
(1,3239)	1:63:A:ASN:H	1:64:A:GLU:HB2	4	0.49
(1,3239)	1:62:A:GLU:HG3	1:63:A:ASN:H	16	0.49
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG2	25	0.49
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	4	0.49
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	7	0.49
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	4	0.49
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	6	0.49
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	9	0.49
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	5	0.49
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	14	0.49
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	10	0.49
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	24	0.49
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	2	0.49
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	4	0.49
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	11	0.49
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG23	8	0.49
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	13	0.49
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	20	0.49
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	22	0.49
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG22	23	0.49
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	2	0.49
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	7	0.49
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	13	0.49
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	14	0.49
(1,3070)	1:125:A:VAL:HG13	1:122:A:LYS:HE3	13	0.49
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	9	0.49
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	5	0.49
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	4	0.49
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	9	0.49
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	14	0.49
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	16	0.49
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	24	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	20	0.49
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	17	0.49
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	23	0.49
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	2	0.49
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	17	0.49
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	5	0.49
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	10	0.49
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	12	0.49
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	11	0.49
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	25	0.49
(1,2905)	1:81:A:HIS:HA	1:83:A:GLU:HB3	7	0.49
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	6	0.49
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	2	0.49
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	12	0.49
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	13	0.49
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	10	0.49
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	14	0.49
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	20	0.49
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	4	0.49
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	7	0.49
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	8	0.49
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	22	0.49
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	24	0.49
(1,2826)	1:113:A:LEU:HD11	1:113:A:LEU:HA	7	0.49
(1,2826)	1:113:A:LEU:HD21	1:113:A:LEU:HA	12	0.49
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	14	0.49
(1,2826)	1:113:A:LEU:HD21	1:113:A:LEU:HA	15	0.49
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	25	0.49
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG23	10	0.49
(1,2799)	1:122:A:LYS:HE3	1:125:A:VAL:HB	2	0.49
(1,2795)	1:116:A:ALA:HB1	1:70:A:PHE:HD2	11	0.49
(1,2788)	1:84:A:VAL:HG21	1:78:A:THR:HG21	13	0.49
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	15	0.49
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	12	0.49
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	15	0.49
(1,2783)	1:112:A:VAL:HG22	1:113:A:LEU:HB2	25	0.49
(1,2771)	1:135:A:LYS:HG3	1:135:A:LYS:HD2	22	0.49
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	5	0.49
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG13	22	0.49
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	11	0.49
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	11	0.49
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	15	0.49
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	24	0.49
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	18	0.49
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	3	0.49
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	5	0.49
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	20	0.49
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	22	0.49
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	23	0.49
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	2	0.49
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	23	0.49
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	2	0.49
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	6	0.49
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	25	0.49
(1,2501)	1:134:A:LEU:HD13	1:134:A:LEU:H	9	0.49
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	9	0.49
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	10	0.49
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	13	0.49
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	17	0.49
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	23	0.49
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	21	0.49
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	12	0.49
(1,2111)	1:84:A:VAL:HG22	1:85:A:VAL:H	13	0.49
(1,2111)	1:84:A:VAL:HG23	1:85:A:VAL:H	22	0.49
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	6	0.49
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	25	0.49
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	20	0.49
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	3	0.49
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	18	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	3	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	5	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	8	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	9	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	11	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	14	0.49
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	22	0.49
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	2	0.49
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	9	0.49
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	17	0.49
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	22	0.49
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	16	0.49
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	22	0.49
(1,1863)	1:112:A:VAL:HG21	1:114:A:SER:H	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	15	0.49
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	5	0.49
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	9	0.49
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	23	0.49
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	1	0.49
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	2	0.49
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	18	0.49
(1,1755)	1:76:A:MET:HE3	1:76:A:MET:H	22	0.49
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	2	0.49
(1,1714)	1:123:A:LEU:HA	1:126:A:TYR:HB3	16	0.49
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	5	0.49
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	6	0.49
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	9	0.49
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	15	0.49
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	16	0.49
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	17	0.49
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	3	0.49
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	2	0.49
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	5	0.49
(1,1637)	1:134:A:LEU:HD23	1:134:A:LEU:HB2	12	0.49
(1,1637)	1:134:A:LEU:HD23	1:134:A:LEU:HB2	14	0.49
(1,1637)	1:134:A:LEU:HD23	1:134:A:LEU:HB2	16	0.49
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	24	0.49
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	4	0.49
(1,1587)	1:130:A:LEU:HD12	1:109:A:LEU:HD13	17	0.49
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	10	0.49
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	19	0.49
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	13	0.49
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	13	0.49
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	7	0.49
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	8	0.49
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	22	0.49
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	13	0.49
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	21	0.49
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	23	0.49
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	25	0.49
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	1	0.49
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	5	0.49
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	9	0.49
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	3	0.49
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	7	0.49
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	25	0.49
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	9	0.49
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	15	0.49
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	24	0.49
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	2	0.49
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	7	0.49
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	16	0.49
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	23	0.49
(1,1292)	1:105:A:PHE:HA	1:108:A:ILE:HG22	16	0.49
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	15	0.49
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	19	0.49
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	15	0.49
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	23	0.49
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	8	0.49
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	10	0.49
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	4	0.49
(1,1126)	1:95:A:ALA:HB3	1:100:A:LEU:H	10	0.49
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	14	0.49
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	21	0.49
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	24	0.49
(1,1087)	1:92:A:GLN:HA	1:92:A:GLN:HG2	25	0.49
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	8	0.49
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	17	0.49
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD21	25	0.49
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	12	0.49
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	22	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	1	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	2	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	8	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	10	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	13	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	15	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG13	18	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	20	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	21	0.49
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	25	0.49
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	23	0.49
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	18	0.49
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	21	0.49
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	22	0.49
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	1	0.49
(1,780)	1:73:A:LEU:HB2	1:70:A:PHE:HD2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	20	0.49
(1,755)	1:71:A:LEU:HD12	1:85:A:VAL:HA	23	0.49
(1,752)	1:71:A:LEU:HD12	1:89:A:TYR:HB3	18	0.49
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	24	0.49
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	15	0.49
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	25	0.49
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	14	0.49
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	16	0.49
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	11	0.49
(1,558)	1:57:A:LYS:HA	1:57:A:LYS:HG2	14	0.49
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	4	0.49
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	15	0.49
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	8	0.49
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	3	0.49
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	6	0.49
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	9	0.49
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	11	0.49
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	12	0.49
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	14	0.49
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	15	0.49
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	24	0.49
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	3	0.48
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	7	0.48
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	3	0.48
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	20	0.48
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	22	0.48
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	15	0.48
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB1	10	0.48
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB3	22	0.48
(1,3535)	1:134:A:LEU:HD13	1:137:A:HIS:H	16	0.48
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	24	0.48
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB1	17	0.48
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	4	0.48
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	18	0.48
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	7	0.48
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	8	0.48
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	12	0.48
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	1	0.48
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	11	0.48
(1,3440)	1:109:A:LEU:HD21	1:109:A:LEU:H	14	0.48
(1,3440)	1:109:A:LEU:HD23	1:109:A:LEU:H	24	0.48
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	7	0.48
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	16	0.48
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	23	0.48
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	1	0.48
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	4	0.48
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	7	0.48
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	13	0.48
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	18	0.48
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	25	0.48
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	11	0.48
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG11	23	0.48
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	25	0.48
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	19	0.48
(1,3252)	1:64:A:GLU:H	1:60:A:LYS:HG2	7	0.48
(1,3239)	1:62:A:GLU:HG3	1:63:A:ASN:H	5	0.48
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	5	0.48
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	10	0.48
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	3	0.48
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	8	0.48
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	25	0.48
(1,3205)	1:95:A:ALA:HB1	1:100:A:LEU:H	17	0.48
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	6	0.48
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	20	0.48
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	24	0.48
(1,3188)	1:62:A:GLU:H	1:60:A:LYS:HG3	25	0.48
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	12	0.48
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	19	0.48
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	21	0.48
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG21	16	0.48
(1,3146)	1:86:A:PRO:HD2	1:85:A:VAL:HG21	25	0.48
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	22	0.48
(1,3144)	1:85:A:VAL:HG21	1:78:A:THR:H	25	0.48
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	6	0.48
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	7	0.48
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	12	0.48
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	9	0.48
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG21	3	0.48
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	10	0.48
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	21	0.48
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	7	0.48
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	8	0.48
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	21	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3007)	1:108:A:ILE:HG21	1:130:A:LEU:H	1	0.48
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB3	11	0.48
(1,2970)	1:95:A:ALA:HB3	1:138:A:SER:HB2	18	0.48
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	2	0.48
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	13	0.48
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	4	0.48
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	11	0.48
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	14	0.48
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	24	0.48
(1,2928)	1:84:A:VAL:HG13	1:87:A:PHE:HB2	7	0.48
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG22	11	0.48
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	2	0.48
(1,2917)	1:133:A:VAL:HG21	1:105:A:PHE:HD1	7	0.48
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	6	0.48
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	9	0.48
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	16	0.48
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	22	0.48
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	25	0.48
(1,2904)	1:79:A:ALA:HB3	1:80:A:ASP:HA	5	0.48
(1,2904)	1:79:A:ALA:HB1	1:80:A:ASP:HA	21	0.48
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	8	0.48
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	19	0.48
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	2	0.48
(1,2880)	1:71:A:LEU:HD22	1:89:A:TYR:HA	20	0.48
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	6	0.48
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	11	0.48
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	2	0.48
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	9	0.48
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	10	0.48
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	19	0.48
(1,2861)	1:66:A:LEU:HG	1:62:A:GLU:HG3	12	0.48
(1,2826)	1:113:A:LEU:HD21	1:113:A:LEU:HA	3	0.48
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	12	0.48
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	8	0.48
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD22	12	0.48
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB2	19	0.48
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB3	23	0.48
(1,2715)	1:84:A:VAL:HG23	1:127:A:ILE:HG12	17	0.48
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	10	0.48
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG13	17	0.48
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	25	0.48
(1,2704)	1:88:A:LEU:HD22	1:84:A:VAL:HG12	25	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	5	0.48
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	9	0.48
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	11	0.48
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	3	0.48
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	6	0.48
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	18	0.48
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	22	0.48
(1,2643)	1:93:A:GLN:HG2	1:89:A:TYR:HE1	12	0.48
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	6	0.48
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	14	0.48
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	25	0.48
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	9	0.48
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	10	0.48
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	24	0.48
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	5	0.48
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	13	0.48
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	16	0.48
(1,2410)	1:123:A:LEU:HD22	1:123:A:LEU:H	18	0.48
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	12	0.48
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	19	0.48
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	5	0.48
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	6	0.48
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	7	0.48
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	11	0.48
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	12	0.48
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	23	0.48
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	19	0.48
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	20	0.48
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	13	0.48
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG2	20	0.48
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	1	0.48
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	15	0.48
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	16	0.48
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	17	0.48
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB1	15	0.48
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	15	0.48
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	4	0.48
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	10	0.48
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	21	0.48
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	1	0.48
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	22	0.48
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	22	0.48
(1,1755)	1:76:A:MET:HE1	1:76:A:MET:H	7	0.48
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	15	0.48
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	23	0.48
(1,1754)	1:76:A:MET:HE2	1:77:A:GLN:H	8	0.48
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	19	0.48
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	2	0.48
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	3	0.48
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	4	0.48
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	13	0.48
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	23	0.48
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD11	3	0.48
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	6	0.48
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	15	0.48
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	18	0.48
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	22	0.48
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	23	0.48
(1,1560)	1:127:A:ILE:HD11	1:123:A:LEU:H	24	0.48
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	8	0.48
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	10	0.48
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	11	0.48
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	13	0.48
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	24	0.48
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	8	0.48
(1,1453)	1:121:A:ALA:HB1	1:122:A:LYS:HA	15	0.48
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	4	0.48
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	15	0.48
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	17	0.48
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	16	0.48
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	7	0.48
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	12	0.48
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	24	0.48
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	15	0.48
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	11	0.48
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	5	0.48
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	15	0.48
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	23	0.48
(1,1259)	1:106:A:CYS:HB2	1:103:A:ALA:HB2	13	0.48
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	22	0.48
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	11	0.48
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB1	13	0.48
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	21	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:101:A:ALA:HB1	1:60:A:LYS:HG3	13	0.48
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	14	0.48
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	17	0.48
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	12	0.48
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	20	0.48
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	13	0.48
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	23	0.48
(1,1095)	1:134:A:LEU:HD23	1:92:A:GLN:HB3	14	0.48
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	21	0.48
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	25	0.48
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	3	0.48
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD23	15	0.48
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	6	0.48
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	12	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG13	3	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	4	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	5	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	6	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	7	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	9	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	11	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	12	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	14	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG13	19	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG11	22	0.48
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG12	23	0.48
(1,911)	1:84:A:VAL:HA	1:87:A:PHE:HD1	14	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	1	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	3	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	4	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	5	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	6	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	9	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	16	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	17	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	20	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	24	0.48
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	25	0.48
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	6	0.48
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	7	0.48
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	22	0.48
(1,755)	1:71:A:LEU:HD11	1:85:A:VAL:HA	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	12	0.48
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	17	0.48
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	4	0.48
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	16	0.48
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	18	0.48
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	5	0.48
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	9	0.48
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	10	0.48
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	20	0.48
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	23	0.48
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	5	0.48
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	10	0.48
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	16	0.48
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	17	0.48
(1,222)	1:71:A:LEU:HD23	1:71:A:LEU:HB2	20	0.48
(1,222)	1:71:A:LEU:HD22	1:71:A:LEU:HB2	21	0.48
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	8	0.47
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	23	0.47
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	17	0.47
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	18	0.47
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	15	0.47
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	19	0.47
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	25	0.47
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD13	15	0.47
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	22	0.47
(1,3510)	1:130:A:LEU:HD13	1:130:A:LEU:H	13	0.47
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	6	0.47
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	25	0.47
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	2	0.47
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	3	0.47
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	13	0.47
(1,3440)	1:109:A:LEU:HD22	1:109:A:LEU:H	7	0.47
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	5	0.47
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	15	0.47
(1,3412)	1:104:A:GLU:H	1:104:A:GLU:HG3	4	0.47
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	22	0.47
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	12	0.47
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD22	13	0.47
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	22	0.47
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	17	0.47
(1,3357)	1:90:A:ASN:HD22	1:93:A:GLN:HB2	18	0.47
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	19	0.47
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	15	0.47
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	8	0.47
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	17	0.47
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	11	0.47
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	24	0.47
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	5	0.47
(1,3284)	1:113:A:LEU:HD21	1:73:A:LEU:H	22	0.47
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	7	0.47
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	2	0.47
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	10	0.47
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	13	0.47
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	2	0.47
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	12	0.47
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	13	0.47
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	23	0.47
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	23	0.47
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	19	0.47
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	6	0.47
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	10	0.47
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	15	0.47
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	17	0.47
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	18	0.47
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	3	0.47
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	4	0.47
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	15	0.47
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	7	0.47
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	5	0.47
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	11	0.47
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	18	0.47
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	25	0.47
(1,3115)	1:88:A:LEU:HD23	1:131:A:CYS:HB3	8	0.47
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	25	0.47
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	13	0.47
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	3	0.47
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	18	0.47
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	8	0.47
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	19	0.47
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	3	0.47
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	12	0.47
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	25	0.47
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB1	4	0.47
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB1	18	0.47
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	7	0.47
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	10	0.47
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	17	0.47
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	16	0.47
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	17	0.47
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	21	0.47
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	13	0.47
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	13	0.47
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	20	0.47
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	23	0.47
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	5	0.47
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	12	0.47
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	22	0.47
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	1	0.47
(1,2888)	1:73:A:LEU:HD23	1:70:A:PHE:HB2	6	0.47
(1,2887)	1:73:A:LEU:HD22	1:123:A:LEU:HB2	3	0.47
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	15	0.47
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	3	0.47
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	2	0.47
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	6	0.47
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	11	0.47
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	14	0.47
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	15	0.47
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	20	0.47
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	25	0.47
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	18	0.47
(1,2799)	1:65:A:LYS:HE2	1:66:A:LEU:HG	23	0.47
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	2	0.47
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	22	0.47
(1,2790)	1:85:A:VAL:HG13	1:71:A:LEU:HB3	22	0.47
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG23	16	0.47
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	24	0.47
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	23	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	1	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	2	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	4	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	5	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	6	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	7	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	12	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	13	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	15	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	17	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	18	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	20	0.47
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	21	0.47
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	24	0.47
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	7	0.47
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	9	0.47
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	1	0.47
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	16	0.47
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	17	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	4	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	5	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	7	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	11	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	13	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	16	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	17	0.47
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	19	0.47
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	2	0.47
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	4	0.47
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	15	0.47
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	18	0.47
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	13	0.47
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	11	0.47
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	20	0.47
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	25	0.47
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	7	0.47
(1,2401)	1:122:A:LYS:HG2	1:122:A:LYS:H	20	0.47
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	3	0.47
(1,2338)	1:109:A:LEU:HD21	1:108:A:ILE:H	14	0.47
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	22	0.47
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	5	0.47
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	13	0.47
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	14	0.47
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	8	0.47
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	12	0.47
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	9	0.47
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	9	0.47
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	2	0.47
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	5	0.47
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	25	0.47
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	21	0.47
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	25	0.47
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	2	0.47
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	6	0.47
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	9	0.47
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	12	0.47
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	5	0.47
(1,1862)	1:113:A:LEU:HD11	1:114:A:SER:H	7	0.47
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	10	0.47
(1,1788)	1:135:A:LYS:H	1:135:A:LYS:HG3	24	0.47
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	25	0.47
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	9	0.47
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	1	0.47
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	14	0.47
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	24	0.47
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	25	0.47
(1,1648)	1:134:A:LEU:HD23	1:109:A:LEU:HD12	5	0.47
(1,1648)	1:134:A:LEU:HD21	1:109:A:LEU:HD13	17	0.47
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	3	0.47
(1,1637)	1:134:A:LEU:HD21	1:134:A:LEU:HB2	8	0.47
(1,1637)	1:134:A:LEU:HD23	1:134:A:LEU:HB2	17	0.47
(1,1637)	1:134:A:LEU:HD22	1:134:A:LEU:HB2	19	0.47
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	6	0.47
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	19	0.47
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	17	0.47
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	22	0.47
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	5	0.47
(1,1517)	1:125:A:VAL:HG21	1:124:A:TYR:H	7	0.47
(1,1517)	1:125:A:VAL:HG22	1:124:A:TYR:H	13	0.47
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	6	0.47
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	9	0.47
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	1	0.47
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	23	0.47
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	11	0.47
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	14	0.47
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	19	0.47
(1,1453)	1:121:A:ALA:HB2	1:122:A:LYS:HA	19	0.47
(1,1453)	1:121:A:ALA:HB3	1:122:A:LYS:HA	21	0.47
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	10	0.47
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	20	0.47
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	12	0.47
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	15	0.47
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	9	0.47
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	10	0.47
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	11	0.47
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	21	0.47
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	11	0.47
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	14	0.47
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	18	0.47
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	23	0.47
(1,1353)	1:112:A:VAL:HA	1:115:A:ARG:HB3	13	0.47
(1,1300)	1:108:A:ILE:HD12	1:109:A:LEU:H	3	0.47
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	4	0.47
(1,1297)	1:108:A:ILE:HG21	1:99:A:PHE:HE2	17	0.47
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	11	0.47
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	21	0.47
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	7	0.47
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	24	0.47
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	9	0.47
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	14	0.47
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	15	0.47
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	23	0.47
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	25	0.47
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	2	0.47
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	18	0.47
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	3	0.47
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	18	0.47
(1,1202)	1:101:A:ALA:HB3	1:100:A:LEU:H	13	0.47
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	11	0.47
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	10	0.47
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	11	0.47
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	19	0.47
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	24	0.47
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	4	0.47
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	2	0.47
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	15	0.47
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	3	0.47
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	8	0.47
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	11	0.47
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	14	0.47
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	23	0.47
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	5	0.47
(1,788)	1:73:A:LEU:HD21	1:77:A:GLN:HG3	8	0.47
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	10	0.47
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	11	0.47
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	23	0.47
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG3	25	0.47
(1,755)	1:71:A:LEU:HD13	1:85:A:VAL:HA	19	0.47
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	11	0.47
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	7	0.47
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	13	0.47
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	2	0.47
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	9	0.47
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	17	0.47
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	12	0.47
(1,317)	1:111:A:ARG:HD2	1:111:A:ARG:HB3	25	0.47
(1,222)	1:71:A:LEU:HD23	1:71:A:LEU:HB2	1	0.47
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	7	0.47
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	8	0.47
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	18	0.47
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD23	18	0.47
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	15	0.46
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	15	0.46
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	16	0.46
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	21	0.46
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	20	0.46
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	12	0.46
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	12	0.46
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	6	0.46
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	8	0.46
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	15	0.46
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	6	0.46
(1,3439)	1:108:A:ILE:HD12	1:109:A:LEU:H	3	0.46
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	4	0.46
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	12	0.46
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	24	0.46
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	4	0.46
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	19	0.46
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	6	0.46
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	8	0.46
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	19	0.46
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	1	0.46
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG12	24	0.46
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	22	0.46
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	13	0.46
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	1	0.46
(1,3239)	1:63:A:ASN:H	1:64:A:GLU:HB2	15	0.46
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	6	0.46
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	21	0.46
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	24	0.46
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	17	0.46
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	25	0.46
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	4	0.46
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	17	0.46
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	23	0.46
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	14	0.46
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	15	0.46
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	24	0.46
(1,3173)	1:125:A:VAL:HG22	1:126:A:TYR:H	25	0.46
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	5	0.46
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	23	0.46
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	25	0.46
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	17	0.46
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	23	0.46
(1,3150)	1:60:A:LYS:HG3	1:61:A:LEU:HA	16	0.46
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	6	0.46
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	13	0.46
(1,3098)	1:130:A:LEU:HG	1:130:A:LEU:H	24	0.46
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	23	0.46
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	7	0.46
(1,3082)	1:127:A:ILE:HG21	1:87:A:PHE:HD2	24	0.46
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	7	0.46
(1,3061)	1:123:A:LEU:HD22	1:78:A:THR:HB	7	0.46
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	4	0.46
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	2	0.46
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	13	0.46
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	18	0.46
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	11	0.46
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	16	0.46
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	5	0.46
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	18	0.46
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:88:A:LEU:HD23	1:70:A:PHE:HB3	18	0.46
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	16	0.46
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG22	13	0.46
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	14	0.46
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	20	0.46
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	24	0.46
(1,2887)	1:73:A:LEU:HD23	1:123:A:LEU:HB2	15	0.46
(1,2886)	1:73:A:LEU:HD22	1:120:A:PRO:HB3	25	0.46
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	9	0.46
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	8	0.46
(1,2880)	1:71:A:LEU:HD22	1:89:A:TYR:HA	25	0.46
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	22	0.46
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	1	0.46
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	5	0.46
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	12	0.46
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	16	0.46
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	18	0.46
(1,2871)	1:71:A:LEU:HA	1:70:A:PHE:HA	21	0.46
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	23	0.46
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	13	0.46
(1,2826)	1:113:A:LEU:HD21	1:113:A:LEU:HA	21	0.46
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG21	22	0.46
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	14	0.46
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	10	0.46
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	2	0.46
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD11	8	0.46
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD12	22	0.46
(1,2708)	1:88:A:LEU:HD12	1:123:A:LEU:HD11	25	0.46
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	17	0.46
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	3	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	8	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	9	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	11	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	14	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	16	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	19	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	22	0.46
(1,2682)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	23	0.46
(1,2682)	1:59:A:TYR:HE2	1:59:A:TYR:HD2	25	0.46
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	5	0.46
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	6	0.46
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	15	0.46
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	16	0.46
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	7	0.46
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	18	0.46
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	14	0.46
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	21	0.46
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	25	0.46
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	22	0.46
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	7	0.46
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	11	0.46
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	6	0.46
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	1	0.46
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	4	0.46
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	22	0.46
(1,2338)	1:109:A:LEU:HD22	1:108:A:ILE:H	1	0.46
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	4	0.46
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	1	0.46
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	20	0.46
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	14	0.46
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	15	0.46
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	15	0.46
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	2	0.46
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	19	0.46
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	18	0.46
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	10	0.46
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	9	0.46
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	10	0.46
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	13	0.46
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	5	0.46
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	14	0.46
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	15	0.46
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	23	0.46
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	8	0.46
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	25	0.46
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	23	0.46
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB2	18	0.46
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	18	0.46
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	8	0.46
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	24	0.46
(1,1653)	1:135:A:LYS:HB2	1:135:A:LYS:HD2	24	0.46
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	10	0.46
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	9	0.46
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	21	0.46
(1,1520)	1:125:A:VAL:HG22	1:122:A:LYS:HD2	1	0.46
(1,1511)	1:125:A:VAL:HG12	1:128:A:ASN:H	7	0.46
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	7	0.46
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	19	0.46
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	20	0.46
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	14	0.46
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	20	0.46
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	21	0.46
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	15	0.46
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	18	0.46
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	1	0.46
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	15	0.46
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	19	0.46
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	21	0.46
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	1	0.46
(1,1300)	1:108:A:ILE:HD13	1:109:A:LEU:H	12	0.46
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	1	0.46
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	21	0.46
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	1	0.46
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	7	0.46
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	17	0.46
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB2	9	0.46
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	17	0.46
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	23	0.46
(1,1126)	1:95:A:ALA:HB2	1:100:A:LEU:H	11	0.46
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	4	0.46
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	22	0.46
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	13	0.46
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD23	12	0.46
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	24	0.46
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	23	0.46
(1,1024)	1:71:A:LEU:HA	1:88:A:LEU:HD22	22	0.46
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	5	0.46
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	22	0.46
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	16	0.46
(1,911)	1:84:A:VAL:HA	1:87:A:PHE:HD2	3	0.46
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	2	0.46
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	15	0.46
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	8	0.46
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	11	0.46
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	21	0.46
(1,788)	1:73:A:LEU:HD23	1:77:A:GLN:HG3	16	0.46
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG3	3	0.46
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	4	0.46
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	5	0.46
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	7	0.46
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	8	0.46
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	21	0.46
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	22	0.46
(1,752)	1:71:A:LEU:HD11	1:89:A:TYR:HB3	3	0.46
(1,752)	1:71:A:LEU:HD12	1:89:A:TYR:HB3	5	0.46
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	10	0.46
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	2	0.46
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD13	5	0.46
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	6	0.46
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	9	0.46
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD11	23	0.46
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	12	0.46
(1,659)	1:64:A:GLU:HG3	1:64:A:GLU:H	8	0.46
(1,558)	1:57:A:LYS:HA	1:57:A:LYS:HG2	3	0.46
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	7	0.46
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	9	0.46
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	6	0.46
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	12	0.46
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	14	0.46
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	18	0.46
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	20	0.46
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	24	0.46
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	2	0.46
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	6	0.46
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	15	0.46
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	24	0.46
(1,317)	1:111:A:ARG:HD2	1:111:A:ARG:HB3	13	0.46
(1,317)	1:111:A:ARG:HD2	1:111:A:ARG:HB2	14	0.46
(1,222)	1:71:A:LEU:HD23	1:71:A:LEU:HB2	4	0.46
(1,222)	1:71:A:LEU:HD23	1:71:A:LEU:HB2	23	0.46
(1,222)	1:71:A:LEU:HD23	1:71:A:LEU:HB2	25	0.46
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	2	0.46
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	6	0.46
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	20	0.46
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	25	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	24	0.45
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD22	17	0.45
(1,3579)	1:123:A:LEU:HD13	1:70:A:PHE:HE1	1	0.45
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	22	0.45
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	25	0.45
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB1	11	0.45
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	20	0.45
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	20	0.45
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	23	0.45
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE2	22	0.45
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	18	0.45
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	22	0.45
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	9	0.45
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD11	10	0.45
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	15	0.45
(1,3449)	1:113:A:LEU:HB2	1:112:A:VAL:H	20	0.45
(1,3439)	1:108:A:ILE:HD13	1:109:A:LEU:H	1	0.45
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	9	0.45
(1,3336)	1:88:A:LEU:HD11	1:88:A:LEU:H	2	0.45
(1,3336)	1:88:A:LEU:HD12	1:88:A:LEU:H	16	0.45
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	15	0.45
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	1	0.45
(1,3280)	1:72:A:GLU:H	1:85:A:VAL:HG12	3	0.45
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	10	0.45
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	23	0.45
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	11	0.45
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	10	0.45
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	22	0.45
(1,3218)	1:140:A:LYS:HG2	1:140:A:LYS:H	18	0.45
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	8	0.45
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	9	0.45
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	11	0.45
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	14	0.45
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	16	0.45
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	4	0.45
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	11	0.45
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	12	0.45
(1,3205)	1:95:A:ALA:HB3	1:100:A:LEU:H	10	0.45
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	8	0.45
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	11	0.45
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	7	0.45
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	12	0.45
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	20	0.45
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	23	0.45
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	1	0.45
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	16	0.45
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	23	0.45
(1,3168)	1:100:A:LEU:HD22	1:97:A:SER:HA	13	0.45
(1,3145)	1:85:A:VAL:HG22	1:74:A:CYS:H	19	0.45
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	3	0.45
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	4	0.45
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	24	0.45
(1,3138)	1:141:A:LYS:HG3	1:138:A:SER:HB2	7	0.45
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	2	0.45
(1,3098)	1:130:A:LEU:HG	1:130:A:LEU:H	23	0.45
(1,3085)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	7	0.45
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	13	0.45
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	24	0.45
(1,3070)	1:125:A:VAL:HG11	1:122:A:LYS:HE3	2	0.45
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	18	0.45
(1,3060)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	2	0.45
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	20	0.45
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	24	0.45
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	15	0.45
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	6	0.45
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	7	0.45
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	2	0.45
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	23	0.45
(1,3007)	1:108:A:ILE:HG21	1:130:A:LEU:H	12	0.45
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE2	13	0.45
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	9	0.45
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	21	0.45
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	22	0.45
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	22	0.45
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD12	1	0.45
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	4	0.45
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	5	0.45
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD12	9	0.45
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	22	0.45
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	25	0.45
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	1	0.45
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	20	0.45
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	23	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2915)	1:133:A:VAL:HG22	1:132:A:THR:H	3	0.45
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	13	0.45
(1,2908)	1:83:A:GLU:HB2	1:86:A:PRO:HD2	24	0.45
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	18	0.45
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	23	0.45
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	14	0.45
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	18	0.45
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	7	0.45
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	11	0.45
(1,2878)	1:71:A:LEU:HD11	1:88:A:LEU:H	4	0.45
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	2	0.45
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	15	0.45
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	25	0.45
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB1	9	0.45
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	15	0.45
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	13	0.45
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	13	0.45
(1,2783)	1:112:A:VAL:HG23	1:113:A:LEU:HB2	18	0.45
(1,2738)	1:101:A:ALA:HB3	1:58:A:CYS:HB2	6	0.45
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	12	0.45
(1,2709)	1:130:A:LEU:HD21	1:112:A:VAL:HG12	15	0.45
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG13	24	0.45
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	9	0.45
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	10	0.45
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	2	0.45
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	20	0.45
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	21	0.45
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	24	0.45
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	25	0.45
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	14	0.45
(1,2646)	1:89:A:TYR:H	1:89:A:TYR:HD2	23	0.45
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	16	0.45
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	25	0.45
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	10	0.45
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	10	0.45
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	3	0.45
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	8	0.45
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	14	0.45
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	17	0.45
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	9	0.45
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	23	0.45
(1,2401)	1:122:A:LYS:HG2	1:122:A:LYS:H	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:109:A:LEU:HD23	1:108:A:ILE:H	24	0.45
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	8	0.45
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG3	25	0.45
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	2	0.45
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	5	0.45
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	13	0.45
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	19	0.45
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	19	0.45
(1,1870)	1:123:A:LEU:H	1:121:A:ALA:HB3	20	0.45
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	22	0.45
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	4	0.45
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	6	0.45
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	23	0.45
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	21	0.45
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	25	0.45
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	5	0.45
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	6	0.45
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	17	0.45
(1,1776)	1:117:A:ARG:HG2	1:117:A:ARG:H	24	0.45
(1,1664)	1:136:A:ALA:HB2	1:133:A:VAL:HB	12	0.45
(1,1664)	1:136:A:ALA:HB1	1:133:A:VAL:HB	21	0.45
(1,1664)	1:136:A:ALA:HB3	1:133:A:VAL:HB	22	0.45
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	6	0.45
(1,1642)	1:134:A:LEU:HD21	1:92:A:GLN:H	25	0.45
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	18	0.45
(1,1560)	1:127:A:ILE:HD12	1:123:A:LEU:H	20	0.45
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	6	0.45
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	16	0.45
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	5	0.45
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	7	0.45
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	9	0.45
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	14	0.45
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	20	0.45
(1,1551)	1:127:A:ILE:HG21	1:130:A:LEU:H	1	0.45
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	18	0.45
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	19	0.45
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	2	0.45
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	11	0.45
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	21	0.45
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	23	0.45
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	13	0.45
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	11	0.45
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	7	0.45
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	18	0.45
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	23	0.45
(1,1364)	1:112:A:VAL:HG23	1:129:A:GLU:HB3	16	0.45
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	14	0.45
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	14	0.45
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	19	0.45
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	20	0.45
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	4	0.45
(1,1209)	1:102:A:SER:HA	1:103:A:ALA:HB3	16	0.45
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD21	10	0.45
(1,1202)	1:101:A:ALA:HB2	1:100:A:LEU:H	25	0.45
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	14	0.45
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	18	0.45
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	9	0.45
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	9	0.45
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	1	0.45
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	5	0.45
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	6	0.45
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	15	0.45
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	18	0.45
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	15	0.45
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	4	0.45
(1,957)	1:86:A:PRO:HG2	1:85:A:VAL:HG13	24	0.45
(1,884)	1:82:A:PRO:HB2	1:82:A:PRO:HD2	7	0.45
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	20	0.45
(1,788)	1:73:A:LEU:HD23	1:77:A:GLN:HG3	9	0.45
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	14	0.45
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	16	0.45
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	18	0.45
(1,782)	1:73:A:LEU:HD22	1:73:A:LEU:HB2	19	0.45
(1,752)	1:71:A:LEU:HD12	1:89:A:TYR:HB3	23	0.45
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	5	0.45
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	8	0.45
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	16	0.45
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD13	21	0.45
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	1	0.45
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	10	0.45
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	13	0.45
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	22	0.45
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	23	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	5	0.45
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	16	0.45
(1,222)	1:71:A:LEU:HD21	1:71:A:LEU:HB2	22	0.45
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	4	0.45
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	9	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	2	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	3	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	4	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	5	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	6	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	7	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	8	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	9	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	10	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	11	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	12	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	13	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	14	0.45
(1,25)	1:133:A:VAL:HG21	1:133:A:VAL:HG23	15	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	16	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	17	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	18	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	19	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	20	0.45
(1,25)	1:133:A:VAL:HG21	1:133:A:VAL:HG23	21	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	22	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG23	23	0.45
(1,25)	1:133:A:VAL:HG21	1:133:A:VAL:HG23	24	0.45
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	25	0.45
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	2	0.44
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD22	24	0.44
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	12	0.44
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	13	0.44
(1,3535)	1:134:A:LEU:HD12	1:137:A:HIS:H	23	0.44
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	8	0.44
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	10	0.44
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	8	0.44
(1,3510)	1:130:A:LEU:HD13	1:130:A:LEU:H	11	0.44
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	20	0.44
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	1	0.44
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	13	0.44
(1,3449)	1:112:A:VAL:H	1:111:A:ARG:HG2	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3449)	1:112:A:VAL:H	1:111:A:ARG:HG2	25	0.44
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	20	0.44
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	23	0.44
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	8	0.44
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	9	0.44
(1,3336)	1:88:A:LEU:HD13	1:88:A:LEU:H	15	0.44
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	16	0.44
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	13	0.44
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	4	0.44
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	12	0.44
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	6	0.44
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	7	0.44
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	25	0.44
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	9	0.44
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	22	0.44
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	1	0.44
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	13	0.44
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	19	0.44
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	22	0.44
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	4	0.44
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	14	0.44
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	13	0.44
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	18	0.44
(1,3158)	1:125:A:VAL:HG13	1:129:A:GLU:HG3	18	0.44
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	22	0.44
(1,3143)	1:88:A:LEU:HD22	1:131:A:CYS:HA	13	0.44
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	2	0.44
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	4	0.44
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	21	0.44
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	8	0.44
(1,3082)	1:127:A:ILE:HG22	1:87:A:PHE:HD2	6	0.44
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	5	0.44
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	21	0.44
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	11	0.44
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	15	0.44
(1,3029)	1:113:A:LEU:HB2	1:112:A:VAL:H	20	0.44
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	14	0.44
(1,3010)	1:108:A:ILE:HD13	1:105:A:PHE:HE1	11	0.44
(1,3010)	1:108:A:ILE:HD12	1:105:A:PHE:HE1	25	0.44
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	21	0.44
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	19	0.44
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2933)	1:88:A:LEU:HD13	1:67:A:PHE:HD1	25	0.44
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG21	7	0.44
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	23	0.44
(1,2905)	1:81:A:HIS:HA	1:83:A:GLU:HB3	3	0.44
(1,2890)	1:73:A:LEU:HD21	1:116:A:ALA:H	3	0.44
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	1	0.44
(1,2880)	1:71:A:LEU:HD22	1:89:A:TYR:HA	1	0.44
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	13	0.44
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	14	0.44
(1,2871)	1:68:A:GLU:HA	1:71:A:LEU:HA	13	0.44
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	7	0.44
(1,2835)	1:76:A:MET:HB3	1:76:A:MET:H	3	0.44
(1,2795)	1:116:A:ALA:HB1	1:70:A:PHE:HD2	6	0.44
(1,2783)	1:112:A:VAL:HG21	1:113:A:LEU:HB2	3	0.44
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD22	21	0.44
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	6	0.44
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB3	9	0.44
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	14	0.44
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG12	3	0.44
(1,2709)	1:130:A:LEU:HD23	1:112:A:VAL:HG11	4	0.44
(1,2708)	1:88:A:LEU:HD12	1:123:A:LEU:HD13	17	0.44
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	8	0.44
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	5	0.44
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	23	0.44
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	16	0.44
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	1	0.44
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	4	0.44
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	12	0.44
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	13	0.44
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	14	0.44
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	17	0.44
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	19	0.44
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	23	0.44
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	12	0.44
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	20	0.44
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	1	0.44
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	8	0.44
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	9	0.44
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	13	0.44
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	17	0.44
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	19	0.44
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	1	0.44
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	19	0.44
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	21	0.44
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	12	0.44
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	20	0.44
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	3	0.44
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	11	0.44
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	14	0.44
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	15	0.44
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	18	0.44
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	22	0.44
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	14	0.44
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	23	0.44
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	21	0.44
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB1	16	0.44
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	10	0.44
(1,1864)	1:116:A:ALA:HB1	1:115:A:ARG:H	3	0.44
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	8	0.44
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	13	0.44
(1,1863)	1:112:A:VAL:HG23	1:114:A:SER:H	18	0.44
(1,1862)	1:113:A:LEU:HD12	1:114:A:SER:H	23	0.44
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	6	0.44
(1,1851)	1:98:A:LEU:HD12	1:98:A:LEU:H	7	0.44
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	11	0.44
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	18	0.44
(1,1839)	1:81:A:HIS:H	1:79:A:ALA:HB2	13	0.44
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	25	0.44
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	15	0.44
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	2	0.44
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	13	0.44
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	17	0.44
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	25	0.44
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	7	0.44
(1,1681)	1:138:A:SER:HB2	1:141:A:LYS:HD3	14	0.44
(1,1642)	1:134:A:LEU:HD22	1:92:A:GLN:H	9	0.44
(1,1560)	1:127:A:ILE:HD13	1:123:A:LEU:H	25	0.44
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	1	0.44
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	4	0.44
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	11	0.44
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	21	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	1	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	16	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	19	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	21	0.44
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	25	0.44
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	7	0.44
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	1	0.44
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	8	0.44
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	15	0.44
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	4	0.44
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	6	0.44
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	9	0.44
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	11	0.44
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	17	0.44
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	22	0.44
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	5	0.44
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	12	0.44
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	22	0.44
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	4	0.44
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	6	0.44
(1,1407)	1:73:A:LEU:HD23	1:117:A:ARG:HA	15	0.44
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	15	0.44
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	23	0.44
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	24	0.44
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	14	0.44
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	5	0.44
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	2	0.44
(1,1279)	1:108:A:ILE:HA	1:111:A:ARG:HD3	16	0.44
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	6	0.44
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	19	0.44
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	6	0.44
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	16	0.44
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD23	21	0.44
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD23	24	0.44
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	4	0.44
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	7	0.44
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	8	0.44
(1,1182)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	25	0.44
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	7	0.44
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	19	0.44
(1,1095)	1:134:A:LEU:HD23	1:92:A:GLN:HB3	12	0.44
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	20	0.44
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD23	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	11	0.44
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	22	0.44
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	9	0.44
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	6	0.44
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	10	0.44
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	22	0.44
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	24	0.44
(1,854)	1:79:A:ALA:HB1	1:80:A:ASP:HB2	21	0.44
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	6	0.44
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	13	0.44
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	17	0.44
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	20	0.44
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	24	0.44
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	1	0.44
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	7	0.44
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	18	0.44
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD12	24	0.44
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	13	0.44
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	17	0.44
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	11	0.44
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	16	0.44
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	17	0.44
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	12	0.44
(1,317)	1:111:A:ARG:HD2	1:111:A:ARG:HB3	16	0.44
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	3	0.44
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	15	0.44
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD22	9	0.44
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG21	17	0.44
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG23	23	0.44
(1,25)	1:133:A:VAL:HG22	1:133:A:VAL:HG21	1	0.44
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	9	0.43
(1,3574)	1:98:A:LEU:HA	1:96:A:HIS:HE1	4	0.43
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	19	0.43
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	20	0.43
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD12	3	0.43
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	1	0.43
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	1	0.43
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	4	0.43
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	14	0.43
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	21	0.43
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	19	0.43
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	19	0.43
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	6	0.43
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	10	0.43
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	21	0.43
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	17	0.43
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	11	0.43
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD11	25	0.43
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	10	0.43
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	13	0.43
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	17	0.43
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	24	0.43
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	3	0.43
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	6	0.43
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE2	9	0.43
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD13	13	0.43
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	3	0.43
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	7	0.43
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	12	0.43
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	8	0.43
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	10	0.43
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	5	0.43
(1,3203)	1:93:A:GLN:H	1:92:A:GLN:HG2	3	0.43
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	18	0.43
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	21	0.43
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	11	0.43
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	13	0.43
(1,3173)	1:125:A:VAL:HG22	1:126:A:TYR:H	3	0.43
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	10	0.43
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	14	0.43
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	23	0.43
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	24	0.43
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	3	0.43
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	10	0.43
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	9	0.43
(1,3144)	1:85:A:VAL:HG22	1:78:A:THR:H	23	0.43
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	12	0.43
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	21	0.43
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	23	0.43
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	4	0.43
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	24	0.43
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	25	0.43
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	3	0.43
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	24	0.43
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	12	0.43
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	21	0.43
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	19	0.43
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	1	0.43
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	6	0.43
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	9	0.43
(1,3060)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	15	0.43
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	15	0.43
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	8	0.43
(1,3024)	1:112:A:VAL:HG12	1:127:A:ILE:H	9	0.43
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	18	0.43
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	12	0.43
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	6	0.43
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	24	0.43
(1,2933)	1:88:A:LEU:HD12	1:67:A:PHE:HD1	9	0.43
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	10	0.43
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	18	0.43
(1,2915)	1:133:A:VAL:HG21	1:132:A:THR:H	8	0.43
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	10	0.43
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	18	0.43
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	7	0.43
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	16	0.43
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	19	0.43
(1,2885)	1:134:A:LEU:HD11	1:131:A:CYS:HB3	18	0.43
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	21	0.43
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	24	0.43
(1,2880)	1:71:A:LEU:HD22	1:89:A:TYR:HA	4	0.43
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	5	0.43
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	12	0.43
(1,2878)	1:71:A:LEU:HD12	1:88:A:LEU:H	5	0.43
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	15	0.43
(1,2861)	1:66:A:LEU:HG	1:62:A:GLU:HG3	8	0.43
(1,2861)	1:66:A:LEU:HG	1:62:A:GLU:HG3	17	0.43
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	9	0.43
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	12	0.43
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	2	0.43
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG23	16	0.43
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	24	0.43
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD23	4	0.43
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD21	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	14	0.43
(1,2762)	1:73:A:LEU:HD22	1:70:A:PHE:HA	15	0.43
(1,2709)	1:130:A:LEU:HD22	1:112:A:VAL:HG11	18	0.43
(1,2708)	1:88:A:LEU:HD13	1:123:A:LEU:HD11	10	0.43
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD12	16	0.43
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	16	0.43
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	17	0.43
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	8	0.43
(1,2680)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	18	0.43
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	22	0.43
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	3	0.43
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	3	0.43
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	5	0.43
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	8	0.43
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	9	0.43
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	10	0.43
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	1	0.43
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	19	0.43
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	4	0.43
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	16	0.43
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	18	0.43
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	23	0.43
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	24	0.43
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	11	0.43
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	18	0.43
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	21	0.43
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	13	0.43
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	23	0.43
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	8	0.43
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	11	0.43
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	7	0.43
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	13	0.43
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	9	0.43
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	16	0.43
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	23	0.43
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	21	0.43
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	14	0.43
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	12	0.43
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	11	0.43
(1,1864)	1:116:A:ALA:HB3	1:115:A:ARG:H	19	0.43
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	1	0.43
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	10	0.43
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	22	0.43
(1,1851)	1:98:A:LEU:HD12	1:98:A:LEU:H	24	0.43
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	25	0.43
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	8	0.43
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD21	6	0.43
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	12	0.43
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	2	0.43
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	13	0.43
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	6	0.43
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	19	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	1	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG13	3	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	7	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	9	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	11	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	15	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	16	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	21	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	23	0.43
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG13	24	0.43
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	6	0.43
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	15	0.43
(1,1590)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	23	0.43
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	7	0.43
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	6	0.43
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	8	0.43
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	20	0.43
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	25	0.43
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	8	0.43
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	9	0.43
(1,1518)	1:125:A:VAL:HG22	1:126:A:TYR:H	25	0.43
(1,1507)	1:125:A:VAL:HG11	1:126:A:TYR:H	16	0.43
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	18	0.43
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	4	0.43
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	12	0.43
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	17	0.43
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	22	0.43
(1,1485)	1:123:A:LEU:HD22	1:124:A:TYR:H	15	0.43
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	21	0.43
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	22	0.43
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	18	0.43
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	13	0.43
(1,1364)	1:112:A:VAL:HG21	1:129:A:GLU:HB3	22	0.43
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	12	0.43
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	8	0.43
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	2	0.43
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	3	0.43
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB1	18	0.43
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	22	0.43
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD21	7	0.43
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD21	17	0.43
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD23	22	0.43
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD22	22	0.43
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	9	0.43
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	13	0.43
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	8	0.43
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	2	0.43
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	3	0.43
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	12	0.43
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	17	0.43
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	24	0.43
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	18	0.43
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	20	0.43
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	9	0.43
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	10	0.43
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	11	0.43
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	3	0.43
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	13	0.43
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	6	0.43
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	24	0.43
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	25	0.43
(1,856)	1:79:A:ALA:HB2	1:78:A:THR:H	23	0.43
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	17	0.43
(1,785)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	2	0.43
(1,785)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	12	0.43
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	14	0.43
(1,752)	1:71:A:LEU:HD13	1:89:A:TYR:HB3	12	0.43
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	3	0.43
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	21	0.43
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	12	0.43
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD12	13	0.43
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD11	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD12	2	0.43
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE3	3	0.43
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	7	0.43
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	8	0.43
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	7	0.43
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	8	0.43
(1,509)	1:77:A:GLN:HA	1:77:A:GLN:HB2	21	0.43
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	13	0.43
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	14	0.43
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	18	0.43
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	22	0.43
(1,313)	1:91:A:ARG:HD3	1:91:A:ARG:HA	10	0.43
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	7	0.43
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	12	0.43
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	21	0.43
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD23	1	0.42
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	8	0.42
(1,3580)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	16	0.42
(1,3580)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	23	0.42
(1,3571)	1:116:A:ALA:HB1	1:126:A:TYR:HE2	3	0.42
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	2	0.42
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD11	17	0.42
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	19	0.42
(1,3529)	1:136:A:ALA:H	1:135:A:LYS:HE3	22	0.42
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	19	0.42
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	10	0.42
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	17	0.42
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	2	0.42
(1,3370)	1:100:A:LEU:HD13	1:92:A:GLN:HE21	13	0.42
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	23	0.42
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	8	0.42
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	3	0.42
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	11	0.42
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	19	0.42
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	23	0.42
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	24	0.42
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	25	0.42
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	12	0.42
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	5	0.42
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	6	0.42
(1,3207)	1:111:A:ARG:HG3	1:112:A:VAL:H	7	0.42
(1,3205)	1:95:A:ALA:HB2	1:100:A:LEU:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	12	0.42
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	17	0.42
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	19	0.42
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	15	0.42
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	17	0.42
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	21	0.42
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	5	0.42
(1,3143)	1:88:A:LEU:HD22	1:131:A:CYS:HA	15	0.42
(1,3143)	1:88:A:LEU:HD22	1:131:A:CYS:HA	18	0.42
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	5	0.42
(1,3109)	1:88:A:LEU:HD21	1:131:A:CYS:HA	22	0.42
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	1	0.42
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	10	0.42
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	19	0.42
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	1	0.42
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	6	0.42
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	11	0.42
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	20	0.42
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	12	0.42
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	11	0.42
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	8	0.42
(1,3031)	1:113:A:LEU:HD23	1:117:A:ARG:HG2	8	0.42
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB1	9	0.42
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB3	9	0.42
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	14	0.42
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD12	7	0.42
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	9	0.42
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG22	15	0.42
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	25	0.42
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	4	0.42
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	2	0.42
(1,2888)	1:73:A:LEU:HD22	1:70:A:PHE:HB2	16	0.42
(1,2885)	1:134:A:LEU:HD11	1:131:A:CYS:HB3	17	0.42
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	2	0.42
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	12	0.42
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	20	0.42
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	9	0.42
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	19	0.42
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	10	0.42
(1,2878)	1:71:A:LEU:HD13	1:88:A:LEU:H	12	0.42
(1,2878)	1:71:A:LEU:HD12	1:88:A:LEU:H	23	0.42
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	25	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	13	0.42
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	18	0.42
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	25	0.42
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	23	0.42
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD23	18	0.42
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD23	8	0.42
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	3	0.42
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD13	7	0.42
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	5	0.42
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	10	0.42
(1,2680)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	3	0.42
(1,2680)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	7	0.42
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	15	0.42
(1,2641)	1:139:A:ALA:HB1	1:96:A:HIS:HD2	14	0.42
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	5	0.42
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	7	0.42
(1,2598)	1:109:A:LEU:HD22	1:105:A:PHE:HE1	8	0.42
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	12	0.42
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	21	0.42
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	5	0.42
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	14	0.42
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	1	0.42
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	3	0.42
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	20	0.42
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	10	0.42
(1,2203)	1:94:A:ARG:HB3	1:94:A:ARG:H	16	0.42
(1,2203)	1:94:A:ARG:HB3	1:94:A:ARG:H	25	0.42
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	13	0.42
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	21	0.42
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	22	0.42
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	22	0.42
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG2	24	0.42
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	5	0.42
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	4	0.42
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	8	0.42
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	12	0.42
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	20	0.42
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	23	0.42
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	2	0.42
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	16	0.42
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	15	0.42
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	15	0.42
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	20	0.42
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	2	0.42
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	7	0.42
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG11	9	0.42
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	2	0.42
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	6	0.42
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	7	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	5	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	8	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	10	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	12	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	14	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG13	18	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG13	19	0.42
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	22	0.42
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	25	0.42
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	18	0.42
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	19	0.42
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	14	0.42
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	22	0.42
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	3	0.42
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG23	15	0.42
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	17	0.42
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	24	0.42
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	17	0.42
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	5	0.42
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	14	0.42
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	16	0.42
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	21	0.42
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	25	0.42
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	5	0.42
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	8	0.42
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	12	0.42
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	11	0.42
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	23	0.42
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	25	0.42
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	2	0.42
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	7	0.42
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	10	0.42
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	16	0.42
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	5	0.42
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	22	0.42
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	8	0.42
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	3	0.42
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	24	0.42
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	14	0.42
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	18	0.42
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	21	0.42
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD21	13	0.42
(1,1205)	1:101:A:ALA:HB3	1:60:A:LYS:HG3	23	0.42
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	14	0.42
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	8	0.42
(1,1106)	1:94:A:ARG:HG2	1:94:A:ARG:HA	9	0.42
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	23	0.42
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	10	0.42
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	4	0.42
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	7	0.42
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	15	0.42
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	22	0.42
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	1	0.42
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	3	0.42
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	4	0.42
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	17	0.42
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	10	0.42
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	18	0.42
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	16	0.42
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	6	0.42
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	11	0.42
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	12	0.42
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	16	0.42
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	18	0.42
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	19	0.42
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	1	0.42
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	24	0.42
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	25	0.42
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	1	0.42
(1,785)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	9	0.42
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	4	0.42
(1,692)	1:66:A:LEU:HD21	1:66:A:LEU:HD12	11	0.42
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	4	0.42
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	6	0.42
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	4	0.42
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	7	0.42
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	11	0.42
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	6	0.42
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	19	0.42
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	12	0.42
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	18	0.42
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG22	20	0.42
(1,72)	1:123:A:LEU:HD21	1:73:A:LEU:HD23	2	0.42
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	11	0.41
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	12	0.41
(1,3572)	1:99:A:PHE:HZ	1:133:A:VAL:HB	5	0.41
(1,3535)	1:134:A:LEU:HD13	1:137:A:HIS:H	21	0.41
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	2	0.41
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	3	0.41
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	12	0.41
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	16	0.41
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	24	0.41
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	10	0.41
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	18	0.41
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	23	0.41
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	2	0.41
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	7	0.41
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	18	0.41
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	11	0.41
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	12	0.41
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE2	5	0.41
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	11	0.41
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	24	0.41
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	3	0.41
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	22	0.41
(1,3200)	1:84:A:VAL:HG11	1:88:A:LEU:H	14	0.41
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	17	0.41
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	5	0.41
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	14	0.41
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	16	0.41
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	21	0.41
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	25	0.41
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	1	0.41
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	8	0.41
(1,3173)	1:125:A:VAL:HG22	1:126:A:TYR:H	11	0.41
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	3	0.41
(1,3171)	1:132:A:THR:HG22	1:133:A:VAL:H	8	0.41
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	5	0.41
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	9	0.41
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	8	0.41
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	9	0.41
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB3	9	0.41
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB3	19	0.41
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	15	0.41
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG23	1	0.41
(1,3117)	1:135:A:LYS:HE3	1:132:A:THR:HG23	24	0.41
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	11	0.41
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HD1	12	0.41
(1,3098)	1:130:A:LEU:HG	1:130:A:LEU:H	18	0.41
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	20	0.41
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	25	0.41
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	3	0.41
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	9	0.41
(1,3085)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	25	0.41
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	9	0.41
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	25	0.41
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	7	0.41
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	8	0.41
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	17	0.41
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	9	0.41
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	13	0.41
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	2	0.41
(1,3007)	1:108:A:ILE:HG22	1:130:A:LEU:H	20	0.41
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	1	0.41
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	14	0.41
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	15	0.41
(1,2943)	1:88:A:LEU:HD22	1:89:A:TYR:HA	21	0.41
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	22	0.41
(1,2933)	1:88:A:LEU:HD11	1:67:A:PHE:HD1	21	0.41
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	1	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	1	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	3	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	4	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	6	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	11	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	14	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	20	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	24	0.41
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	25	0.41
(1,2901)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	25	0.41
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	16	0.41
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	3	0.41
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	2	0.41
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	14	0.41
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD22	3	0.41
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD23	5	0.41
(1,2708)	1:123:A:LEU:HD11	1:73:A:LEU:HD11	1	0.41
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD11	14	0.41
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD11	15	0.41
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	6	0.41
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	1	0.41
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	3	0.41
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	17	0.41
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	20	0.41
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	14	0.41
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	7	0.41
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	9	0.41
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	10	0.41
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	4	0.41
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	4	0.41
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	7	0.41
(1,2203)	1:94:A:ARG:HB3	1:94:A:ARG:H	20	0.41
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	2	0.41
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	14	0.41
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	21	0.41
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	22	0.41
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	18	0.41
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	8	0.41
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	1	0.41
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	7	0.41
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	9	0.41
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	21	0.41
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	9	0.41
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG22	25	0.41
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB1	4	0.41
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	1	0.41
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	14	0.41
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	24	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	7	0.41
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	5	0.41
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	9	0.41
(1,1734)	1:103:A:ALA:HB2	1:102:A:SER:HB3	21	0.41
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	4	0.41
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG11	6	0.41
(1,1723)	1:86:A:PRO:HD2	1:85:A:VAL:HG12	20	0.41
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB1	23	0.41
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	2	0.41
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	19	0.41
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	2	0.41
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	14	0.41
(1,1521)	1:125:A:VAL:HG22	1:122:A:LYS:HG3	1	0.41
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	6	0.41
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	12	0.41
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	20	0.41
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	10	0.41
(1,1485)	1:123:A:LEU:HD22	1:124:A:TYR:H	16	0.41
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	2	0.41
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	18	0.41
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	1	0.41
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	4	0.41
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	20	0.41
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	15	0.41
(1,1364)	1:112:A:VAL:HG22	1:129:A:GLU:HB3	8	0.41
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	10	0.41
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	19	0.41
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE1	10	0.41
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	16	0.41
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB3	4	0.41
(1,1228)	1:104:A:GLU:HA	1:103:A:ALA:HB2	12	0.41
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD22	5	0.41
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD21	12	0.41
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD22	18	0.41
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD22	19	0.41
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	10	0.41
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	25	0.41
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD12	6	0.41
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	8	0.41
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	7	0.41
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	13	0.41
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	22	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	1	0.41
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	2	0.41
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	13	0.41
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	14	0.41
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	22	0.41
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	10	0.41
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	1	0.41
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	4	0.41
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	8	0.41
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	20	0.41
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	23	0.41
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	13	0.41
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	18	0.41
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	20	0.41
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	24	0.41
(1,855)	1:79:A:ALA:HB3	1:78:A:THR:HA	2	0.41
(1,722)	1:62:A:GLU:HG2	1:62:A:GLU:HA	3	0.41
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	5	0.41
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	10	0.41
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	11	0.41
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	13	0.41
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	6	0.41
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE3	8	0.41
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	12	0.41
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	17	0.41
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	22	0.41
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE2	23	0.41
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	1	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	1	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	3	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	7	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	10	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	11	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	17	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	20	0.41
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	23	0.41
(1,479)	1:77:A:GLN:HG2	1:77:A:GLN:HB3	21	0.41
(1,457)	1:65:A:LYS:HA	1:65:A:LYS:HG2	25	0.41
(1,234)	1:73:A:LEU:HD22	1:123:A:LEU:HD12	8	0.41
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	3	0.4
(1,3572)	1:99:A:PHE:HZ	1:133:A:VAL:HB	16	0.4
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	19	0.4
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	7	0.4
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	4	0.4
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	5	0.4
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	12	0.4
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	16	0.4
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	20	0.4
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	23	0.4
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	8	0.4
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	10	0.4
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	3	0.4
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	1	0.4
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	7	0.4
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	24	0.4
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	18	0.4
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	8	0.4
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	3	0.4
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	1	0.4
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	14	0.4
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	2	0.4
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	23	0.4
(1,3255)	1:65:A:LYS:H	1:63:A:ASN:HD21	15	0.4
(1,3239)	1:63:A:ASN:H	1:64:A:GLU:HB2	3	0.4
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD13	25	0.4
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	20	0.4
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	10	0.4
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	22	0.4
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	2	0.4
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	24	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	1	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	3	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	6	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	10	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	18	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	20	0.4
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	24	0.4
(1,3190)	1:88:A:LEU:HD13	1:71:A:LEU:H	18	0.4
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	9	0.4
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	2	0.4
(1,3171)	1:132:A:THR:HG23	1:133:A:VAL:H	14	0.4
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	15	0.4
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	5	0.4
(1,3125)	1:134:A:LEU:HD23	1:91:A:ARG:HB3	14	0.4
(1,3098)	1:130:A:LEU:HG	1:130:A:LEU:H	17	0.4
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	7	0.4
(1,3078)	1:127:A:ILE:HA	1:131:A:CYS:HB3	23	0.4
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	2	0.4
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	24	0.4
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	7	0.4
(1,3024)	1:112:A:VAL:HG12	1:127:A:ILE:H	3	0.4
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	6	0.4
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	17	0.4
(1,3016)	1:71:A:LEU:HD21	1:85:A:VAL:H	23	0.4
(1,3016)	1:71:A:LEU:HD21	1:85:A:VAL:H	25	0.4
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	12	0.4
(1,3007)	1:108:A:ILE:HG23	1:130:A:LEU:H	3	0.4
(1,3007)	1:108:A:ILE:HG21	1:130:A:LEU:H	4	0.4
(1,2970)	1:95:A:ALA:HB1	1:138:A:SER:HB2	24	0.4
(1,2969)	1:95:A:ALA:HB1	1:137:A:HIS:HB2	14	0.4
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	16	0.4
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	20	0.4
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	24	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	5	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	8	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	9	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	16	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	17	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	18	0.4
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	21	0.4
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	19	0.4
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	4	0.4
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	13	0.4
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	15	0.4
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	6	0.4
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	11	0.4
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	23	0.4
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	25	0.4
(1,2875)	1:71:A:LEU:HD12	1:75:A:LYS:HE2	7	0.4
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	13	0.4
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG23	13	0.4
(1,2799)	1:65:A:LYS:HE3	1:66:A:LEU:HG	3	0.4
(1,2795)	1:116:A:ALA:HB1	1:70:A:PHE:HD2	4	0.4
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	18	0.4
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	20	0.4
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	3	0.4
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	16	0.4
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	25	0.4
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	21	0.4
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	7	0.4
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	14	0.4
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	4	0.4
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD3	14	0.4
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	24	0.4
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	8	0.4
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG3	16	0.4
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	4	0.4
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	5	0.4
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	10	0.4
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	11	0.4
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	12	0.4
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	16	0.4
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	18	0.4
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	19	0.4
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	20	0.4
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	25	0.4
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	4	0.4
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	4	0.4
(1,1974)	1:66:A:LEU:HD23	1:67:A:PHE:H	5	0.4
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	17	0.4
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	11	0.4
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD12	13	0.4
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD13	18	0.4
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	21	0.4
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	14	0.4
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	25	0.4
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	8	0.4
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	12	0.4
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	25	0.4
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	4	0.4
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	8	0.4
(1,1780)	1:98:A:LEU:HG	1:98:A:LEU:H	16	0.4
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	24	0.4
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	20	0.4
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	7	0.4
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	5	0.4
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	9	0.4
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG22	10	0.4
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	22	0.4
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	11	0.4
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	4	0.4
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	10	0.4
(1,1485)	1:123:A:LEU:HD23	1:124:A:TYR:H	24	0.4
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	13	0.4
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	9	0.4
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	8	0.4
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	14	0.4
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	22	0.4
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	8	0.4
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	9	0.4
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	2	0.4
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	3	0.4
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	25	0.4
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	4	0.4
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	16	0.4
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	23	0.4
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	11	0.4
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	22	0.4
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	4	0.4
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	1	0.4
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	4	0.4
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	24	0.4
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD23	2	0.4
(1,1095)	1:134:A:LEU:HD23	1:92:A:GLN:HB3	1	0.4
(1,1095)	1:134:A:LEU:HD23	1:92:A:GLN:HB3	17	0.4
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	3	0.4
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	22	0.4
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	21	0.4
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	17	0.4
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	25	0.4
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	11	0.4
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	24	0.4
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	25	0.4
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	23	0.4
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	10	0.4
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	4	0.4
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	17	0.4
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	3	0.4
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG23	22	0.4
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	15	0.4
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	20	0.4
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	15	0.4
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	19	0.4
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE2	5	0.4
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE3	18	0.4
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE2	20	0.4
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	2	0.4
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	24	0.4
(1,538)	1:54:A:MET:HG2	1:54:A:MET:HB2	15	0.4
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG23	19	0.4
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD11	20	0.4
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD22	20	0.4
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	5	0.39
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	22	0.39
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	10	0.39
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	17	0.39
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	18	0.39
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB3	8	0.39
(1,3535)	1:134:A:LEU:HD11	1:137:A:HIS:H	22	0.39
(1,3531)	1:136:A:ALA:H	1:134:A:LEU:HD12	3	0.39
(1,3510)	1:130:A:LEU:HD11	1:130:A:LEU:H	5	0.39
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	11	0.39
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	12	0.39
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	25	0.39
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	4	0.39
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	11	0.39
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	18	0.39
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	2	0.39
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	3	0.39
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	16	0.39
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	25	0.39
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	16	0.39
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG13	2	0.39
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG11	15	0.39
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	20	0.39
(1,3207)	1:112:A:VAL:H	1:111:A:ARG:HG2	18	0.39
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	2	0.39
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	4	0.39
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	9	0.39
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	15	0.39
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	23	0.39
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	22	0.39
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	11	0.39
(1,3158)	1:125:A:VAL:HG11	1:129:A:GLU:HG3	16	0.39
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	11	0.39
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	7	0.39
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	13	0.39
(1,3115)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	19	0.39
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	1	0.39
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	4	0.39
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	10	0.39
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	20	0.39
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	12	0.39
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	10	0.39
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	1	0.39
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	6	0.39
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	10	0.39
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	22	0.39
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	5	0.39
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	7	0.39
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	12	0.39
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	13	0.39
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	20	0.39
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	22	0.39
(1,3060)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	16	0.39
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	11	0.39
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	13	0.39
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	15	0.39
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	2	0.39
(1,3024)	1:112:A:VAL:HG12	1:127:A:ILE:H	23	0.39
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	6	0.39
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	10	0.39
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	6	0.39
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	10	0.39
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	4	0.39
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	11	0.39
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	23	0.39
(1,2915)	1:133:A:VAL:HG23	1:132:A:THR:H	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	13	0.39
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	22	0.39
(1,2902)	1:78:A:THR:HG22	1:77:A:GLN:HG3	16	0.39
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	13	0.39
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	18	0.39
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	5	0.39
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	22	0.39
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	3	0.39
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	16	0.39
(1,2861)	1:66:A:LEU:HG	1:62:A:GLU:HG3	20	0.39
(1,2858)	1:135:A:LYS:HE3	1:135:A:LYS:HB2	6	0.39
(1,2835)	1:76:A:MET:HB3	1:77:A:GLN:HE21	25	0.39
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	8	0.39
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	19	0.39
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	17	0.39
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD21	15	0.39
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD22	20	0.39
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD23	25	0.39
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	11	0.39
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	20	0.39
(1,2708)	1:88:A:LEU:HD13	1:123:A:LEU:HD11	23	0.39
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	2	0.39
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	17	0.39
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	8	0.39
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	5	0.39
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	15	0.39
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	23	0.39
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	4	0.39
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	2	0.39
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	4	0.39
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	8	0.39
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	2	0.39
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	6	0.39
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	16	0.39
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	22	0.39
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	25	0.39
(1,2605)	1:96:A:HIS:HB3	1:96:A:HIS:HD2	16	0.39
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	11	0.39
(1,2598)	1:109:A:LEU:HD23	1:105:A:PHE:HE1	15	0.39
(1,2598)	1:109:A:LEU:HD21	1:105:A:PHE:HE1	22	0.39
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	12	0.39
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	22	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:118:A:SER:H	1:117:A:ARG:HD2	8	0.39
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	20	0.39
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	21	0.39
(1,2310)	1:106:A:CYS:H	1:59:A:TYR:HB3	13	0.39
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG3	20	0.39
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	1	0.39
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	8	0.39
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	9	0.39
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	15	0.39
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	17	0.39
(1,2101)	1:84:A:VAL:HG13	1:84:A:VAL:H	23	0.39
(1,2101)	1:84:A:VAL:HG12	1:84:A:VAL:H	24	0.39
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	24	0.39
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	6	0.39
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	20	0.39
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	18	0.39
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	3	0.39
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	11	0.39
(1,1974)	1:66:A:LEU:HD21	1:67:A:PHE:H	24	0.39
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	20	0.39
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	17	0.39
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	10	0.39
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	6	0.39
(1,1875)	1:135:A:LYS:HD2	1:135:A:LYS:H	12	0.39
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	2	0.39
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	1	0.39
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	7	0.39
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	13	0.39
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD22	25	0.39
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	6	0.39
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	22	0.39
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	23	0.39
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	4	0.39
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	13	0.39
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	14	0.39
(1,1648)	1:134:A:LEU:HD22	1:109:A:LEU:HD13	15	0.39
(1,1590)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	22	0.39
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	5	0.39
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	7	0.39
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	22	0.39
(1,1518)	1:125:A:VAL:HG22	1:126:A:TYR:H	3	0.39
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	23	0.39
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	24	0.39
(1,1517)	1:125:A:VAL:HG23	1:124:A:TYR:H	18	0.39
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	1	0.39
(1,1485)	1:123:A:LEU:HD21	1:124:A:TYR:H	3	0.39
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	20	0.39
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	9	0.39
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	1	0.39
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	5	0.39
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	3	0.39
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	5	0.39
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	17	0.39
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	23	0.39
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	14	0.39
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD21	6	0.39
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	24	0.39
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	6	0.39
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	25	0.39
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	9	0.39
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	9	0.39
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	14	0.39
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	4	0.39
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	25	0.39
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD13	8	0.39
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	9	0.39
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	6	0.39
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE22	6	0.39
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	17	0.39
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	18	0.39
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	14	0.39
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	17	0.39
(1,1095)	1:134:A:LEU:HD23	1:92:A:GLN:HB3	16	0.39
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	5	0.39
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	10	0.39
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	1	0.39
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	2	0.39
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	21	0.39
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	2	0.39
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	5	0.39
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	6	0.39
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	11	0.39
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	2	0.39
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	13	0.39
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	24	0.39
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	7	0.39
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	11	0.39
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	24	0.39
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	21	0.39
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	2	0.39
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	23	0.39
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	18	0.39
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	9	0.39
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	11	0.39
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	6	0.39
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	16	0.39
(1,697)	1:66:A:LEU:HD23	1:113:A:LEU:HB2	4	0.39
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	19	0.39
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	22	0.39
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	1	0.39
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	8	0.39
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD13	23	0.39
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD12	25	0.39
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	10	0.39
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE3	14	0.39
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE2	15	0.39
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	24	0.39
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	3	0.39
(1,540)	1:54:A:MET:HG3	1:54:A:MET:HB2	4	0.39
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	18	0.39
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG23	12	0.39
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG11	3	0.39
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG21	9	0.39
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG21	11	0.39
(1,3585)	1:112:A:VAL:HB	1:126:A:TYR:HD1	7	0.38
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	21	0.38
(1,3577)	1:127:A:ILE:HD11	1:70:A:PHE:HZ	16	0.38
(1,3573)	1:99:A:PHE:HD1	1:105:A:PHE:HB3	8	0.38
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	1	0.38
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	4	0.38
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	6	0.38
(1,3539)	1:138:A:SER:H	1:136:A:ALA:HB2	17	0.38
(1,3510)	1:130:A:LEU:HD13	1:130:A:LEU:H	9	0.38
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	8	0.38
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	17	0.38
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	13	0.38
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	24	0.38
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	5	0.38
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	23	0.38
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	24	0.38
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	24	0.38
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	6	0.38
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	9	0.38
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	12	0.38
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD12	12	0.38
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	17	0.38
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	6	0.38
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	9	0.38
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	21	0.38
(1,3252)	1:64:A:GLU:H	1:60:A:LYS:HG2	13	0.38
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE2	20	0.38
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	14	0.38
(1,3200)	1:84:A:VAL:HG12	1:88:A:LEU:H	18	0.38
(1,3184)	1:58:A:CYS:H	1:56:A:LYS:HG2	15	0.38
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	22	0.38
(1,3173)	1:125:A:VAL:HG22	1:126:A:TYR:H	19	0.38
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	20	0.38
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	21	0.38
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	22	0.38
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	24	0.38
(1,3162)	1:73:A:LEU:HD23	1:117:A:ARG:HA	15	0.38
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	20	0.38
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	17	0.38
(1,3141)	1:141:A:LYS:HA	1:141:A:LYS:HD3	3	0.38
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	11	0.38
(1,3125)	1:134:A:LEU:HD23	1:91:A:ARG:HB3	16	0.38
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	3	0.38
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	8	0.38
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	6	0.38
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	20	0.38
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	6	0.38
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG22	7	0.38
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	10	0.38
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	13	0.38
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3061)	1:123:A:LEU:HD21	1:78:A:THR:HB	18	0.38
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	13	0.38
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	18	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	8	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	10	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	16	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	17	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	18	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	23	0.38
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	25	0.38
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	21	0.38
(1,3042)	1:118:A:SER:HA	1:119:A:ARG:HG3	9	0.38
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE2	9	0.38
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	7	0.38
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	25	0.38
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	10	0.38
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	22	0.38
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	12	0.38
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	23	0.38
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	23	0.38
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	5	0.38
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	18	0.38
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD13	7	0.38
(1,2954)	1:94:A:ARG:HD2	1:90:A:ASN:H	7	0.38
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	8	0.38
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	1	0.38
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	17	0.38
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	18	0.38
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	10	0.38
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG23	24	0.38
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	10	0.38
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	23	0.38
(1,2903)	1:79:A:ALA:HB1	1:77:A:GLN:HA	2	0.38
(1,2903)	1:79:A:ALA:HB1	1:77:A:GLN:HA	9	0.38
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	4	0.38
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	21	0.38
(1,2880)	1:71:A:LEU:HD22	1:89:A:TYR:HA	23	0.38
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB3	7	0.38
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	8	0.38
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	15	0.38
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	10	0.38
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	22	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD11	24	0.38
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	16	0.38
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	17	0.38
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	24	0.38
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	5	0.38
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	7	0.38
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	9	0.38
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	12	0.38
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	17	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	1	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	4	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	5	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	8	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	9	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	11	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	12	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	14	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	15	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	17	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	19	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	20	0.38
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	21	0.38
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	7	0.38
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	1	0.38
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	6	0.38
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	24	0.38
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	16	0.38
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	5	0.38
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	25	0.38
(1,2101)	1:84:A:VAL:HG11	1:84:A:VAL:H	6	0.38
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	4	0.38
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	13	0.38
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	21	0.38
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	7	0.38
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	11	0.38
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	16	0.38
(1,1925)	1:63:A:ASN:H	1:59:A:TYR:HD1	16	0.38
(1,1871)	1:124:A:TYR:H	1:123:A:LEU:HD11	7	0.38
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	20	0.38
(1,1827)	1:62:A:GLU:H	1:61:A:LEU:HD21	3	0.38
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	14	0.38
(1,1811)	1:91:A:ARG:HG3	1:91:A:ARG:H	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:139:A:ALA:HB3	1:96:A:HIS:H	1	0.38
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	1	0.38
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	10	0.38
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	14	0.38
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	20	0.38
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	21	0.38
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	14	0.38
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	6	0.38
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	25	0.38
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	1	0.38
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	10	0.38
(1,1555)	1:127:A:ILE:HG22	1:84:A:VAL:HB	12	0.38
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	25	0.38
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	13	0.38
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	2	0.38
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	1	0.38
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	15	0.38
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	17	0.38
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	21	0.38
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	13	0.38
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	23	0.38
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	12	0.38
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	10	0.38
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	14	0.38
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	18	0.38
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	8	0.38
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	13	0.38
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	18	0.38
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	3	0.38
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	12	0.38
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	4	0.38
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	5	0.38
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	6	0.38
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	10	0.38
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	15	0.38
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	16	0.38
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	24	0.38
(1,1300)	1:108:A:ILE:HD11	1:109:A:LEU:H	20	0.38
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	1	0.38
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	5	0.38
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	10	0.38
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	12	0.38
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	23	0.38
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	23	0.38
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	13	0.38
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	2	0.38
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	13	0.38
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	10	0.38
(1,1094)	1:134:A:LEU:HD12	1:92:A:GLN:HB3	7	0.38
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	10	0.38
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	5	0.38
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	20	0.38
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	6	0.38
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	10	0.38
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	13	0.38
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	19	0.38
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	20	0.38
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	23	0.38
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	8	0.38
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	21	0.38
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	1	0.38
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	25	0.38
(1,928)	1:84:A:VAL:HG22	1:124:A:TYR:HD1	24	0.38
(1,922)	1:84:A:VAL:HG13	1:87:A:PHE:H	7	0.38
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	1	0.38
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	8	0.38
(1,855)	1:79:A:ALA:HB3	1:78:A:THR:HA	1	0.38
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	3	0.38
(1,855)	1:79:A:ALA:HB3	1:78:A:THR:HA	9	0.38
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	15	0.38
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	19	0.38
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	11	0.38
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	21	0.38
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	20	0.38
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	24	0.38
(1,787)	1:73:A:LEU:HD22	1:74:A:CYS:HA	8	0.38
(1,722)	1:62:A:GLU:HG2	1:62:A:GLU:HA	2	0.38
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	17	0.38
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	23	0.38
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	23	0.38
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD11	17	0.38
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	5	0.38
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE2	18	0.38
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	22	0.38
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	2	0.38
(1,631)	1:61:A:LEU:HD23	1:60:A:LYS:HE3	13	0.38
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	6	0.38
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	11	0.38
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	12	0.38
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	16	0.38
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	11	0.38
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	14	0.38
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	21	0.38
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	5	0.38
(1,234)	1:73:A:LEU:HD22	1:123:A:LEU:HD11	6	0.38
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD12	10	0.38
(1,75)	1:78:A:THR:HG21	1:77:A:GLN:HB3	19	0.38
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	3	0.37
(1,3580)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	13	0.37
(1,3579)	1:123:A:LEU:HD13	1:70:A:PHE:HE1	17	0.37
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	21	0.37
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	1	0.37
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	6	0.37
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	9	0.37
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	10	0.37
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	23	0.37
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	15	0.37
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	9	0.37
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	11	0.37
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB2	6	0.37
(1,3538)	1:138:A:SER:H	1:141:A:LYS:HG2	25	0.37
(1,3519)	1:132:A:THR:H	1:130:A:LEU:H	15	0.37
(1,3510)	1:130:A:LEU:HD13	1:130:A:LEU:H	23	0.37
(1,3510)	1:130:A:LEU:HD12	1:130:A:LEU:H	25	0.37
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	2	0.37
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	4	0.37
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	18	0.37
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	3	0.37
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	5	0.37
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	8	0.37
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	14	0.37
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	21	0.37
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD23	16	0.37
(1,3439)	1:108:A:ILE:HD11	1:109:A:LEU:H	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	18	0.37
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	7	0.37
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	16	0.37
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	7	0.37
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	18	0.37
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	9	0.37
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	12	0.37
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	19	0.37
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	16	0.37
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	17	0.37
(1,3216)	1:135:A:LYS:H	1:133:A:VAL:HG12	19	0.37
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG2	11	0.37
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	3	0.37
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	1	0.37
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	4	0.37
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	13	0.37
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	18	0.37
(1,3168)	1:100:A:LEU:HD23	1:97:A:SER:HA	19	0.37
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	14	0.37
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	16	0.37
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	17	0.37
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	23	0.37
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	12	0.37
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	13	0.37
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	16	0.37
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	5	0.37
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	6	0.37
(1,3054)	1:123:A:LEU:HA	1:70:A:PHE:HZ	16	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	1	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	2	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	3	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	4	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	5	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	6	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	7	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	14	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	20	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	21	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	22	0.37
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	24	0.37
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	4	0.37
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	5	0.37
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	16	0.37
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	21	0.37
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	12	0.37
(1,3016)	1:71:A:LEU:HD21	1:85:A:VAL:H	20	0.37
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	3	0.37
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	19	0.37
(1,3015)	1:71:A:LEU:HD22	1:88:A:LEU:H	20	0.37
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	1	0.37
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	16	0.37
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	19	0.37
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD13	13	0.37
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	18	0.37
(1,2917)	1:133:A:VAL:HG22	1:105:A:PHE:HD1	17	0.37
(1,2905)	1:81:A:HIS:HA	1:82:A:PRO:HG2	12	0.37
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	12	0.37
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	22	0.37
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	19	0.37
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	10	0.37
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	9	0.37
(1,2888)	1:73:A:LEU:HD21	1:70:A:PHE:HB2	21	0.37
(1,2883)	1:109:A:LEU:HD22	1:67:A:PHE:H	15	0.37
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	24	0.37
(1,2862)	1:66:A:LEU:HD13	1:62:A:GLU:HB2	17	0.37
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	17	0.37
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	22	0.37
(1,2799)	1:65:A:LYS:HE2	1:66:A:LEU:HG	11	0.37
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	20	0.37
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	15	0.37
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	5	0.37
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	19	0.37
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	19	0.37
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	23	0.37
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	9	0.37
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD11	21	0.37
(1,2687)	1:103:A:ALA:H	1:59:A:TYR:HD1	23	0.37
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	18	0.37
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	19	0.37
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	11	0.37
(1,2572)	1:87:A:PHE:HB2	1:88:A:LEU:H	3	0.37
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD13	9	0.37
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	23	0.37
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	8	0.37
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	2	0.37
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	7	0.37
(1,2281)	1:103:A:ALA:H	1:59:A:TYR:HB3	3	0.37
(1,2161)	1:91:A:ARG:H	1:134:A:LEU:HD22	9	0.37
(1,2161)	1:91:A:ARG:H	1:134:A:LEU:HD21	25	0.37
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	22	0.37
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	7	0.37
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	10	0.37
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	23	0.37
(1,1974)	1:66:A:LEU:HD22	1:67:A:PHE:H	10	0.37
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	8	0.37
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	19	0.37
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	24	0.37
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	14	0.37
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	12	0.37
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	11	0.37
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	12	0.37
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	19	0.37
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	22	0.37
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	23	0.37
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	25	0.37
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	11	0.37
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	16	0.37
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	19	0.37
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	22	0.37
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	10	0.37
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB1	6	0.37
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	15	0.37
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	17	0.37
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	8	0.37
(1,1518)	1:125:A:VAL:HG22	1:126:A:TYR:H	11	0.37
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	5	0.37
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	9	0.37
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	14	0.37
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	16	0.37
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	20	0.37
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	17	0.37
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	24	0.37
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	11	0.37
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	21	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	1	0.37
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	13	0.37
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	2	0.37
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	20	0.37
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	21	0.37
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	24	0.37
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	25	0.37
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	13	0.37
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	12	0.37
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	21	0.37
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	23	0.37
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	24	0.37
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	15	0.37
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	24	0.37
(1,1108)	1:94:A:ARG:HG2	1:93:A:GLN:H	16	0.37
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	14	0.37
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	5	0.37
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD23	1	0.37
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	23	0.37
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	11	0.37
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	16	0.37
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	2	0.37
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	8	0.37
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	3	0.37
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	12	0.37
(1,1010)	1:88:A:LEU:HD11	1:67:A:PHE:HZ	21	0.37
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	4	0.37
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	5	0.37
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	8	0.37
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	15	0.37
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	19	0.37
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	9	0.37
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	6	0.37
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	13	0.37
(1,928)	1:84:A:VAL:HG21	1:124:A:TYR:HD1	3	0.37
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	4	0.37
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	3	0.37
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	13	0.37
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	7	0.37
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	14	0.37
(1,855)	1:79:A:ALA:HB1	1:78:A:THR:HA	20	0.37
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	12	0.37
(1,792)	1:73:A:LEU:HD21	1:70:A:PHE:HD2	25	0.37
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	13	0.37
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	6	0.37
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	18	0.37
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	10	0.37
(1,724)	1:69:A:GLU:HG2	1:65:A:LYS:HG2	9	0.37
(1,722)	1:62:A:GLU:HG2	1:62:A:GLU:HA	15	0.37
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	3	0.37
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	22	0.37
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	25	0.37
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	8	0.37
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD12	20	0.37
(1,692)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	25	0.37
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	9	0.37
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	21	0.37
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD12	15	0.37
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	7	0.37
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	4	0.37
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	17	0.37
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	23	0.37
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	6	0.37
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	1	0.37
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	5	0.37
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE1	20	0.37
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	15	0.37
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	9	0.37
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG23	1	0.37
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	3	0.37
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	4	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	5	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG21	6	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG23	10	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	13	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	19	0.37
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	20	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	22	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	23	0.37
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	24	0.37
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	25	0.37
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG22	15	0.37
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG21	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG22	19	0.37
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG22	25	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	2	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	6	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	7	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB1	9	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	10	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	11	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	12	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	13	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB1	14	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	15	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB1	16	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	17	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	20	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	21	0.37
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	22	0.37
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	25	0.37
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD22	10	0.36
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD23	20	0.36
(1,3572)	1:99:A:PHE:HZ	1:133:A:VAL:HB	20	0.36
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	5	0.36
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	19	0.36
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	4	0.36
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	12	0.36
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	16	0.36
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	20	0.36
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	22	0.36
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	10	0.36
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	25	0.36
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD13	15	0.36
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	5	0.36
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	16	0.36
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	7	0.36
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	19	0.36
(1,3449)	1:112:A:VAL:H	1:111:A:ARG:HG2	10	0.36
(1,3449)	1:112:A:VAL:H	1:111:A:ARG:HG2	22	0.36
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	25	0.36
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	4	0.36
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	14	0.36
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	15	0.36
(1,3357)	1:90:A:ASN:HD22	1:135:A:LYS:HB2	25	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	19	0.36
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	10	0.36
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	21	0.36
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	23	0.36
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	6	0.36
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	4	0.36
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	8	0.36
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	15	0.36
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	5	0.36
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG3	16	0.36
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	7	0.36
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	10	0.36
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	8	0.36
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	5	0.36
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	7	0.36
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	25	0.36
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	10	0.36
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	22	0.36
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	19	0.36
(1,3143)	1:88:A:LEU:HD23	1:131:A:CYS:HA	25	0.36
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	5	0.36
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	12	0.36
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	18	0.36
(1,3115)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	17	0.36
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	9	0.36
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	13	0.36
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	14	0.36
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	5	0.36
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	11	0.36
(1,3085)	1:127:A:ILE:HG21	1:131:A:CYS:HB3	21	0.36
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	22	0.36
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	13	0.36
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	3	0.36
(1,3060)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	7	0.36
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	22	0.36
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	13	0.36
(1,3049)	1:120:A:PRO:HB3	1:120:A:PRO:HD2	15	0.36
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	18	0.36
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	23	0.36
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	25	0.36
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	10	0.36
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	17	0.36
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	22	0.36
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	2	0.36
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	10	0.36
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	20	0.36
(1,2975)	1:113:A:LEU:HD21	1:69:A:GLU:H	6	0.36
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	6	0.36
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	22	0.36
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	7	0.36
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	8	0.36
(1,2915)	1:133:A:VAL:HG22	1:132:A:THR:H	7	0.36
(1,2915)	1:133:A:VAL:HG22	1:132:A:THR:H	24	0.36
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	4	0.36
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	18	0.36
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	4	0.36
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	8	0.36
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	11	0.36
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	21	0.36
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	23	0.36
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	21	0.36
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	10	0.36
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	12	0.36
(1,2886)	1:73:A:LEU:HD23	1:120:A:PRO:HB3	15	0.36
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	8	0.36
(1,2880)	1:71:A:LEU:HD21	1:89:A:TYR:HA	17	0.36
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	15	0.36
(1,2858)	1:135:A:LYS:HE3	1:135:A:LYS:HB2	15	0.36
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	4	0.36
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	11	0.36
(1,2826)	1:113:A:LEU:HD23	1:113:A:LEU:HA	18	0.36
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG22	14	0.36
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	23	0.36
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	9	0.36
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	15	0.36
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	19	0.36
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	25	0.36
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	3	0.36
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	8	0.36
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	15	0.36
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD21	13	0.36
(1,2737)	1:101:A:ALA:HB3	1:60:A:LYS:HD3	25	0.36
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD13	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2733)	1:134:A:LEU:HD21	1:130:A:LEU:HG	17	0.36
(1,2724)	1:73:A:LEU:HD13	1:123:A:LEU:HD23	15	0.36
(1,2715)	1:84:A:VAL:HG21	1:127:A:ILE:HG12	15	0.36
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD11	11	0.36
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	9	0.36
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	7	0.36
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	16	0.36
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	9	0.36
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	10	0.36
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	10	0.36
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	13	0.36
(1,2676)	1:67:A:PHE:HD1	1:92:A:GLN:HE22	25	0.36
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	6	0.36
(1,2653)	1:80:A:ASP:HB2	1:81:A:HIS:HD2	13	0.36
(1,2645)	1:124:A:TYR:HD1	1:128:A:ASN:H	14	0.36
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	23	0.36
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	4	0.36
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	21	0.36
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	17	0.36
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	20	0.36
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	5	0.36
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	1	0.36
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	2	0.36
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	14	0.36
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	17	0.36
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	24	0.36
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	10	0.36
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD23	11	0.36
(1,1864)	1:116:A:ALA:HB2	1:115:A:ARG:H	7	0.36
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	22	0.36
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	15	0.36
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	7	0.36
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	18	0.36
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	19	0.36
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	17	0.36
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	1	0.36
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	11	0.36
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	13	0.36
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	18	0.36
(1,1755)	1:76:A:MET:HE2	1:76:A:MET:H	8	0.36
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	6	0.36
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB2	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	16	0.36
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	23	0.36
(1,1644)	1:134:A:LEU:HD21	1:105:A:PHE:HD1	1	0.36
(1,1590)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	20	0.36
(1,1555)	1:127:A:ILE:HG21	1:84:A:VAL:HB	20	0.36
(1,1551)	1:127:A:ILE:HG23	1:130:A:LEU:H	19	0.36
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	9	0.36
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	2	0.36
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	25	0.36
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	1	0.36
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	3	0.36
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	12	0.36
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	19	0.36
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	24	0.36
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	14	0.36
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	20	0.36
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	4	0.36
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	19	0.36
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	24	0.36
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	6	0.36
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	22	0.36
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	6	0.36
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	10	0.36
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	21	0.36
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	1	0.36
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	4	0.36
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	12	0.36
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	13	0.36
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	14	0.36
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	17	0.36
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	19	0.36
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	23	0.36
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	9	0.36
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD23	4	0.36
(1,1204)	1:101:A:ALA:HB1	1:63:A:ASN:HD22	24	0.36
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	23	0.36
(1,1182)	1:100:A:LEU:HD12	1:92:A:GLN:HE22	24	0.36
(1,1114)	1:117:A:ARG:HD2	1:117:A:ARG:H	8	0.36
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	11	0.36
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	6	0.36
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	3	0.36
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	5	0.36
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	7	0.36
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	9	0.36
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	10	0.36
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	12	0.36
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	22	0.36
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	24	0.36
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	7	0.36
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	6	0.36
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	12	0.36
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	16	0.36
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	20	0.36
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	21	0.36
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	25	0.36
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	18	0.36
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	1	0.36
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	23	0.36
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	25	0.36
(1,792)	1:73:A:LEU:HD21	1:70:A:PHE:HD2	3	0.36
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	7	0.36
(1,787)	1:73:A:LEU:HD21	1:74:A:CYS:HA	16	0.36
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	21	0.36
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	23	0.36
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	12	0.36
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	16	0.36
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	19	0.36
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	20	0.36
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	17	0.36
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	20	0.36
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD11	3	0.36
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	11	0.36
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	14	0.36
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD13	17	0.36
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	24	0.36
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	13	0.36
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	5	0.36
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	9	0.36
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	16	0.36
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	11	0.36
(1,631)	1:61:A:LEU:HD22	1:60:A:LYS:HE3	19	0.36
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	11	0.36
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	22	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	9	0.36
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	2	0.36
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	8	0.36
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG23	9	0.36
(1,269)	1:84:A:VAL:HG11	1:85:A:VAL:HG21	16	0.36
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	17	0.36
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG21	15	0.36
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG21	21	0.36
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG23	24	0.36
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	1	0.36
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	3	0.36
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	4	0.36
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	5	0.36
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	8	0.36
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB1	18	0.36
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB3	19	0.36
(1,38)	1:139:A:ALA:HB2	1:139:A:ALA:HB1	23	0.36
(1,38)	1:139:A:ALA:HB1	1:139:A:ALA:HB3	24	0.36
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD11	19	0.36
(1,3580)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	11	0.35
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD22	19	0.35
(1,3572)	1:99:A:PHE:HZ	1:133:A:VAL:HB	1	0.35
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	14	0.35
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	24	0.35
(1,3558)	1:115:A:ARG:H	1:117:A:ARG:HB2	16	0.35
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	21	0.35
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	17	0.35
(1,3449)	1:112:A:VAL:H	1:111:A:ARG:HG2	18	0.35
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	7	0.35
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE2	16	0.35
(1,3363)	1:91:A:ARG:H	1:134:A:LEU:HB3	1	0.35
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD21	3	0.35
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	16	0.35
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	9	0.35
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	23	0.35
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	1	0.35
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	13	0.35
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	20	0.35
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	12	0.35
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	14	0.35
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	19	0.35
(1,3252)	1:64:A:GLU:H	1:105:A:PHE:HB3	23	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	3	0.35
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	20	0.35
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	14	0.35
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	6	0.35
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	9	0.35
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	4	0.35
(1,3206)	1:109:A:LEU:HD11	1:109:A:LEU:H	5	0.35
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	8	0.35
(1,3206)	1:109:A:LEU:HD13	1:109:A:LEU:H	10	0.35
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	18	0.35
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	20	0.35
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	5	0.35
(1,3201)	1:92:A:GLN:H	1:92:A:GLN:HG2	7	0.35
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	13	0.35
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG2	22	0.35
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	17	0.35
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	19	0.35
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	25	0.35
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	8	0.35
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	19	0.35
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	21	0.35
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	9	0.35
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	21	0.35
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	22	0.35
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	14	0.35
(1,3075)	1:59:A:TYR:HA	1:59:A:TYR:HD2	1	0.35
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	23	0.35
(1,3059)	1:123:A:LEU:HD22	1:124:A:TYR:HE1	25	0.35
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	11	0.35
(1,3049)	1:82:A:PRO:HB3	1:82:A:PRO:HD2	12	0.35
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	2	0.35
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	7	0.35
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	10	0.35
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	16	0.35
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	19	0.35
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	10	0.35
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	5	0.35
(1,3015)	1:71:A:LEU:HD22	1:88:A:LEU:H	1	0.35
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	9	0.35
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	11	0.35
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	15	0.35
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	24	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB3	7	0.35
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	11	0.35
(1,2970)	1:95:A:ALA:HB2	1:138:A:SER:HB2	7	0.35
(1,2965)	1:94:A:ARG:HB2	1:91:A:ARG:HA	24	0.35
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	12	0.35
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	2	0.35
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	19	0.35
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	23	0.35
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	5	0.35
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	7	0.35
(1,2901)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	16	0.35
(1,2901)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	22	0.35
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	12	0.35
(1,2875)	1:71:A:LEU:HD13	1:75:A:LYS:HE2	18	0.35
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	11	0.35
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	3	0.35
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	19	0.35
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB3	23	0.35
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	8	0.35
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	19	0.35
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	20	0.35
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	3	0.35
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	6	0.35
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD22	6	0.35
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD23	8	0.35
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD21	23	0.35
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB3	21	0.35
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	1	0.35
(1,2733)	1:134:A:LEU:HD21	1:130:A:LEU:HG	1	0.35
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	25	0.35
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	4	0.35
(1,2676)	1:67:A:PHE:HD1	1:92:A:GLN:HE22	9	0.35
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	11	0.35
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	13	0.35
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	18	0.35
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	24	0.35
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	24	0.35
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	6	0.35
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	5	0.35
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	12	0.35
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	3	0.35
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	15	0.35
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	23	0.35
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	24	0.35
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	1	0.35
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	6	0.35
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	19	0.35
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	20	0.35
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	21	0.35
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	11	0.35
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	15	0.35
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	22	0.35
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	3	0.35
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	11	0.35
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	16	0.35
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	22	0.35
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	14	0.35
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	6	0.35
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	24	0.35
(1,1880)	1:143:A:LEU:HG	1:143:A:LEU:H	7	0.35
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	8	0.35
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	10	0.35
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	18	0.35
(1,1853)	1:98:A:LEU:HD12	1:99:A:PHE:H	9	0.35
(1,1853)	1:98:A:LEU:HD13	1:99:A:PHE:H	17	0.35
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	16	0.35
(1,1850)	1:95:A:ALA:H	1:94:A:ARG:HG3	16	0.35
(1,1850)	1:95:A:ALA:H	1:94:A:ARG:HG3	20	0.35
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	1	0.35
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	20	0.35
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	21	0.35
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	17	0.35
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	22	0.35
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	19	0.35
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	2	0.35
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	15	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	3	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	4	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	5	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	6	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	14	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	16	0.35
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	24	0.35
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	5	0.35
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG13	10	0.35
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	13	0.35
(1,1681)	1:138:A:SER:HB2	1:141:A:LYS:HD3	24	0.35
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	3	0.35
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	13	0.35
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	15	0.35
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	5	0.35
(1,1605)	1:131:A:CYS:HB3	1:130:A:LEU:H	2	0.35
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	3	0.35
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	12	0.35
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	24	0.35
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	25	0.35
(1,1555)	1:127:A:ILE:HG23	1:84:A:VAL:HB	15	0.35
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	22	0.35
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	18	0.35
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	3	0.35
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	11	0.35
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	2	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	2	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	4	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	5	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	6	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	7	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	8	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	9	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	10	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	11	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	15	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	17	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	21	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	22	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	23	0.35
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	25	0.35
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	2	0.35
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	9	0.35
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	13	0.35
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	16	0.35
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	2	0.35
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	6	0.35
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	12	0.35
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	14	0.35
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	7	0.35
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	8	0.35
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	19	0.35
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	8	0.35
(1,1324)	1:109:A:LEU:HD12	1:67:A:PHE:HD1	18	0.35
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	22	0.35
(1,1297)	1:108:A:ILE:HG21	1:99:A:PHE:HE2	20	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	2	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	6	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	7	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	8	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	11	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG21	19	0.35
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	24	0.35
(1,1203)	1:101:A:ALA:HB1	1:63:A:ASN:HD21	10	0.35
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	19	0.35
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	21	0.35
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	19	0.35
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	8	0.35
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	17	0.35
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	20	0.35
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	6	0.35
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	11	0.35
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	14	0.35
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	19	0.35
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	20	0.35
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	24	0.35
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	25	0.35
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	14	0.35
(1,1010)	1:88:A:LEU:HD13	1:67:A:PHE:HZ	18	0.35
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	7	0.35
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	12	0.35
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	14	0.35
(1,855)	1:79:A:ALA:HB3	1:78:A:THR:HA	5	0.35
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	13	0.35
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	22	0.35
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	19	0.35
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	5	0.35
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	3	0.35
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	16	0.35
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	24	0.35
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	7	0.35
(1,692)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	10	0.35
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD13	7	0.35
(1,690)	1:62:A:GLU:HG2	1:66:A:LEU:HD13	3	0.35
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE2	13	0.35
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	15	0.35
(1,631)	1:61:A:LEU:HD21	1:60:A:LYS:HE3	25	0.35
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	22	0.35
(1,560)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	23	0.35
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	16	0.35
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	6	0.35
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	14	0.35
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	21	0.35
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	2	0.35
(1,269)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	15	0.35
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG21	3	0.35
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	6	0.35
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD23	14	0.35
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG22	16	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	1	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	2	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	3	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	4	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	5	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	6	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	7	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	8	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	9	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	10	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	11	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	12	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	13	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	14	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	15	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	16	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	17	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	18	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	19	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	20	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	21	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	22	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD21	23	0.35
(1,13)	1:73:A:LEU:HD22	1:73:A:LEU:HD23	24	0.35
(1,13)	1:73:A:LEU:HD21	1:73:A:LEU:HD23	25	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	1	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD13	2	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD11	3	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	4	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	5	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	6	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	7	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	8	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	9	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	10	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	11	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	12	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD11	13	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	14	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	15	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	16	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD13	17	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	18	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	20	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD11	21	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD13	22	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	23	0.35
(1,9)	1:73:A:LEU:HD11	1:73:A:LEU:HD13	24	0.35
(1,9)	1:73:A:LEU:HD12	1:73:A:LEU:HD13	25	0.35
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD21	12	0.34
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	2	0.34
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	12	0.34
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	24	0.34
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	25	0.34
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	3	0.34
(1,3559)	1:112:A:VAL:HG21	1:115:A:ARG:H	11	0.34
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	25	0.34
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	5	0.34
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	22	0.34
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	19	0.34
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	9	0.34
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	4	0.34
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	7	0.34
(1,3279)	1:70:A:PHE:HB3	1:72:A:GLU:H	23	0.34
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	5	0.34
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	10	0.34
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	11	0.34
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	18	0.34
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	4	0.34
(1,3218)	1:140:A:LYS:HG3	1:140:A:LYS:H	7	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	1	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	3	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	5	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	6	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	7	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	12	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	13	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	14	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	20	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	23	0.34
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	24	0.34
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	21	0.34
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	4	0.34
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	11	0.34
(1,3206)	1:109:A:LEU:HD11	1:66:A:LEU:H	12	0.34
(1,3206)	1:109:A:LEU:HD11	1:66:A:LEU:H	22	0.34
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	14	0.34
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	18	0.34
(1,3200)	1:84:A:VAL:HG13	1:88:A:LEU:H	7	0.34
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	17	0.34
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	1	0.34
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	22	0.34
(1,3173)	1:125:A:VAL:HG22	1:126:A:TYR:H	13	0.34
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	6	0.34
(1,3172)	1:88:A:LEU:HD12	1:88:A:LEU:H	16	0.34
(1,3171)	1:132:A:THR:HG21	1:133:A:VAL:H	9	0.34
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	1	0.34
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	11	0.34
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	3	0.34
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	4	0.34
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	11	0.34
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	22	0.34
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	21	0.34
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3068)	1:125:A:VAL:HG11	1:126:A:TYR:HB2	16	0.34
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	16	0.34
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	4	0.34
(1,3060)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	14	0.34
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	17	0.34
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	12	0.34
(1,3049)	1:82:A:PRO:HB3	1:82:A:PRO:HD2	19	0.34
(1,3040)	1:116:A:ALA:HB2	1:123:A:LEU:HB2	6	0.34
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	7	0.34
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	1	0.34
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	6	0.34
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	18	0.34
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	6	0.34
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	18	0.34
(1,3015)	1:71:A:LEU:HD22	1:88:A:LEU:H	4	0.34
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	5	0.34
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	16	0.34
(1,3015)	1:71:A:LEU:HD22	1:88:A:LEU:H	23	0.34
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	3	0.34
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	18	0.34
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	21	0.34
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	24	0.34
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	12	0.34
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	13	0.34
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	17	0.34
(1,2969)	1:95:A:ALA:HB2	1:137:A:HIS:HB2	24	0.34
(1,2943)	1:88:A:LEU:HD22	1:89:A:TYR:HA	13	0.34
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	24	0.34
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	8	0.34
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	12	0.34
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	22	0.34
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	23	0.34
(1,2901)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	17	0.34
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	18	0.34
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	20	0.34
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	7	0.34
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	1	0.34
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	17	0.34
(1,2885)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	25	0.34
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	22	0.34
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	8	0.34
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	12	0.34
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	5	0.34
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD22	1	0.34
(1,2765)	1:113:A:LEU:HD12	1:70:A:PHE:HD2	9	0.34
(1,2708)	1:123:A:LEU:HD13	1:73:A:LEU:HD12	2	0.34
(1,2695)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	9	0.34
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	20	0.34
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	21	0.34
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	5	0.34
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	23	0.34
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	6	0.34
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	20	0.34
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	18	0.34
(1,2653)	1:80:A:ASP:HB2	1:81:A:HIS:HD2	9	0.34
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	10	0.34
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	3	0.34
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	11	0.34
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	14	0.34
(1,2489)	1:131:A:CYS:HB2	1:132:A:THR:H	25	0.34
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	25	0.34
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	4	0.34
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	11	0.34
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	12	0.34
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	25	0.34
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	25	0.34
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	11	0.34
(1,2322)	1:107:A:ASN:HD21	1:104:A:GLU:HG2	23	0.34
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	15	0.34
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	18	0.34
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	8	0.34
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	15	0.34
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	6	0.34
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	20	0.34
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	25	0.34
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	13	0.34
(1,1875)	1:135:A:LYS:H	1:135:A:LYS:HD3	24	0.34
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	12	0.34
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	17	0.34
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	23	0.34
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	7	0.34
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	18	0.34
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG2	1	0.34
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG2	16	0.34
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	13	0.34
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	5	0.34
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	9	0.34
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	7	0.34
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE2	9	0.34
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	10	0.34
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	20	0.34
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	4	0.34
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	11	0.34
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	12	0.34
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	21	0.34
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	23	0.34
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	25	0.34
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	6	0.34
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	9	0.34
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	13	0.34
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	20	0.34
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	23	0.34
(1,1553)	1:124:A:TYR:HA	1:127:A:ILE:HG21	18	0.34
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	23	0.34
(1,1518)	1:125:A:VAL:HG22	1:126:A:TYR:H	19	0.34
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	12	0.34
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	12	0.34
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	21	0.34
(1,1506)	1:125:A:VAL:HG11	1:129:A:GLU:H	24	0.34
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	7	0.34
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	13	0.34
(1,1472)	1:122:A:LYS:HD2	1:122:A:LYS:HE2	14	0.34
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	5	0.34
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	10	0.34
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	12	0.34
(1,1429)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	3	0.34
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	25	0.34
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	8	0.34
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	15	0.34
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD23	19	0.34
(1,1374)	1:69:A:GLU:HG2	1:113:A:LEU:HD22	20	0.34
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	18	0.34
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	2	0.34
(1,1324)	1:109:A:LEU:HD11	1:67:A:PHE:HD1	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:109:A:LEU:HD13	1:67:A:PHE:HD1	7	0.34
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	15	0.34
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	25	0.34
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	13	0.34
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD13	13	0.34
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	2	0.34
(1,1204)	1:101:A:ALA:HB3	1:63:A:ASN:HD22	22	0.34
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	13	0.34
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	5	0.34
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	11	0.34
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	12	0.34
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	11	0.34
(1,1094)	1:134:A:LEU:HD12	1:92:A:GLN:HB3	1	0.34
(1,1076)	1:134:A:LEU:HD11	1:91:A:ARG:HD3	25	0.34
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	7	0.34
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	1	0.34
(1,1013)	1:88:A:LEU:HD22	1:88:A:LEU:H	13	0.34
(1,1013)	1:88:A:LEU:HD22	1:88:A:LEU:H	15	0.34
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	16	0.34
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	21	0.34
(1,1010)	1:88:A:LEU:HD12	1:67:A:PHE:HZ	7	0.34
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	14	0.34
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	16	0.34
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	3	0.34
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	13	0.34
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	22	0.34
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	23	0.34
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	5	0.34
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	2	0.34
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	4	0.34
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	22	0.34
(1,928)	1:84:A:VAL:HG21	1:124:A:TYR:HD1	23	0.34
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	14	0.34
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	7	0.34
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	15	0.34
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	15	0.34
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	16	0.34
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	12	0.34
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	4	0.34
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	8	0.34
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	9	0.34
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	21	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	24	0.34
(1,722)	1:62:A:GLU:HG2	1:62:A:GLU:HA	25	0.34
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	8	0.34
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	4	0.34
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	8	0.34
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	11	0.34
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	18	0.34
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD2	18	0.34
(1,550)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	5	0.34
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	17	0.34
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	20	0.34
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	23	0.34
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	15	0.34
(1,269)	1:84:A:VAL:HG12	1:85:A:VAL:HG23	12	0.34
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	4	0.34
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG22	18	0.34
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG22	20	0.34
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG21	10	0.34
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG23	13	0.34
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG21	21	0.34
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	8	0.33
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	7	0.33
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	5	0.33
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	8	0.33
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	18	0.33
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	6	0.33
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	16	0.33
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	22	0.33
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	20	0.33
(1,3443)	1:110:A:SER:H	1:66:A:LEU:HD23	17	0.33
(1,3410)	1:104:A:GLU:H	1:63:A:ASN:HD21	23	0.33
(1,3363)	1:91:A:ARG:H	1:88:A:LEU:HD23	14	0.33
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	15	0.33
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	7	0.33
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	14	0.33
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	4	0.33
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	25	0.33
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	19	0.33
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	8	0.33
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	15	0.33
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	20	0.33
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	18	0.33
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG3	20	0.33
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	10	0.33
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	10	0.33
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	11	0.33
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	16	0.33
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	21	0.33
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	24	0.33
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	8	0.33
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	9	0.33
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	11	0.33
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	15	0.33
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	22	0.33
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	2	0.33
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	15	0.33
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	19	0.33
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	2	0.33
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	16	0.33
(1,3172)	1:88:A:LEU:HD11	1:88:A:LEU:H	2	0.33
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	8	0.33
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	9	0.33
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	21	0.33
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	12	0.33
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	2	0.33
(1,3134)	1:139:A:ALA:HB2	1:138:A:SER:HB2	17	0.33
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	21	0.33
(1,3115)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	22	0.33
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	10	0.33
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	23	0.33
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	11	0.33
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	2	0.33
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD11	17	0.33
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	2	0.33
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	11	0.33
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	15	0.33
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	14	0.33
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	21	0.33
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	1	0.33
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	13	0.33
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	8	0.33
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	14	0.33
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	22	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	25	0.33
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	22	0.33
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	15	0.33
(1,3016)	1:71:A:LEU:HD21	1:85:A:VAL:H	1	0.33
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	8	0.33
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	15	0.33
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	21	0.33
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	8	0.33
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	2	0.33
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	25	0.33
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	13	0.33
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB3	19	0.33
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	14	0.33
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	15	0.33
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD13	9	0.33
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	24	0.33
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	4	0.33
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	11	0.33
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	19	0.33
(1,2901)	1:73:A:LEU:HD11	1:77:A:GLN:HG2	2	0.33
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	6	0.33
(1,2901)	1:73:A:LEU:HD12	1:77:A:GLN:HG2	12	0.33
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	13	0.33
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	24	0.33
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	5	0.33
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	7	0.33
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	21	0.33
(1,2883)	1:109:A:LEU:HD21	1:67:A:PHE:H	10	0.33
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	17	0.33
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	5	0.33
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB1	20	0.33
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	22	0.33
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	3	0.33
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	11	0.33
(1,2800)	1:141:A:LYS:HD3	1:141:A:LYS:HE2	16	0.33
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	11	0.33
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	24	0.33
(1,2795)	1:116:A:ALA:HB3	1:70:A:PHE:HD2	10	0.33
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	8	0.33
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	15	0.33
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	20	0.33
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	25	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD23	2	0.33
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD22	17	0.33
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD21	19	0.33
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	25	0.33
(1,2685)	1:84:A:VAL:HG13	1:124:A:TYR:HE1	1	0.33
(1,2685)	1:84:A:VAL:HG13	1:124:A:TYR:HE1	12	0.33
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	22	0.33
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	12	0.33
(1,2667)	1:130:A:LEU:HD23	1:70:A:PHE:HD1	23	0.33
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	21	0.33
(1,2621)	1:124:A:TYR:HE1	1:124:A:TYR:HD1	3	0.33
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	2	0.33
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	5	0.33
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	8	0.33
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	9	0.33
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	14	0.33
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	15	0.33
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	22	0.33
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	11	0.33
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	9	0.33
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	25	0.33
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	7	0.33
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	25	0.33
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	5	0.33
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	9	0.33
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	12	0.33
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	25	0.33
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	6	0.33
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	12	0.33
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	4	0.33
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	19	0.33
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	11	0.33
(1,1853)	1:98:A:LEU:HD11	1:99:A:PHE:H	2	0.33
(1,1850)	1:95:A:ALA:H	1:94:A:ARG:HG3	25	0.33
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD23	17	0.33
(1,1830)	1:85:A:VAL:HG23	1:74:A:CYS:H	22	0.33
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	3	0.33
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	4	0.33
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	11	0.33
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	19	0.33
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	22	0.33
(1,1813)	1:101:A:ALA:HB3	1:102:A:SER:H	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	3	0.33
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	20	0.33
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	21	0.33
(1,1806)	1:139:A:ALA:HB1	1:96:A:HIS:H	3	0.33
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	21	0.33
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	6	0.33
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	6	0.33
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	19	0.33
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	13	0.33
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	1	0.33
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	3	0.33
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	10	0.33
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	13	0.33
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	16	0.33
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	24	0.33
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	4	0.33
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	14	0.33
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	16	0.33
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	16	0.33
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	2	0.33
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	7	0.33
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	11	0.33
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	13	0.33
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	14	0.33
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	21	0.33
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	22	0.33
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	4	0.33
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	14	0.33
(1,1506)	1:125:A:VAL:HG11	1:129:A:GLU:H	16	0.33
(1,1506)	1:125:A:VAL:HG11	1:129:A:GLU:H	20	0.33
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	23	0.33
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	6	0.33
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	3	0.33
(1,1405)	1:116:A:ALA:HB3	1:113:A:LEU:H	13	0.33
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	24	0.33
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	7	0.33
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	18	0.33
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	1	0.33
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	3	0.33
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG22	17	0.33
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	20	0.33
(1,1223)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD23	3	0.33
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD23	6	0.33
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	22	0.33
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD21	12	0.33
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	4	0.33
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	15	0.33
(1,1108)	1:94:A:ARG:HG2	1:93:A:GLN:H	20	0.33
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	2	0.33
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD23	17	0.33
(1,1013)	1:88:A:LEU:HD23	1:88:A:LEU:H	23	0.33
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	13	0.33
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	7	0.33
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	11	0.33
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	24	0.33
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	25	0.33
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	2	0.33
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	17	0.33
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	21	0.33
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	5	0.33
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	9	0.33
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	10	0.33
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG22	15	0.33
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	25	0.33
(1,787)	1:73:A:LEU:HD22	1:74:A:CYS:HA	6	0.33
(1,787)	1:73:A:LEU:HD21	1:74:A:CYS:HA	9	0.33
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	11	0.33
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	20	0.33
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	3	0.33
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	24	0.33
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	25	0.33
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	5	0.33
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	15	0.33
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	23	0.33
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	25	0.33
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	8	0.33
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	8	0.33
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	12	0.33
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	14	0.33
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	15	0.33
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	18	0.33
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	2	0.33
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	20	0.33
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	18	0.33
(1,550)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	9	0.33
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	17	0.33
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	7	0.33
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	22	0.33
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	1	0.33
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	1	0.33
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	3	0.33
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	8	0.33
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	9	0.33
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	19	0.33
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	22	0.33
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG22	1	0.33
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG23	5	0.33
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG23	8	0.33
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG23	16	0.33
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG22	22	0.33
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG23	23	0.33
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG21	24	0.33
(1,243)	1:84:A:VAL:HG22	1:81:A:HIS:HB2	10	0.33
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD11	4	0.33
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD12	16	0.33
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG11	18	0.33
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD22	2	0.33
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD23	12	0.33
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG23	14	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	3	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	4	0.33
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB3	5	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	7	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	11	0.33
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	13	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	15	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	21	0.33
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	24	0.33
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD23	25	0.32
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	20	0.32
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	9	0.32
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	2	0.32
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	21	0.32
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	21	0.32
(1,3558)	1:115:A:ARG:H	1:117:A:ARG:HB2	22	0.32
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	2	0.32
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	8	0.32
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE1	12	0.32
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	15	0.32
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD11	15	0.32
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	6	0.32
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE2	3	0.32
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	11	0.32
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	4	0.32
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	2	0.32
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	2	0.32
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	5	0.32
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	17	0.32
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	22	0.32
(1,3291)	1:85:A:VAL:HG21	1:74:A:CYS:H	10	0.32
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	12	0.32
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	19	0.32
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	6	0.32
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	16	0.32
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	10	0.32
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	12	0.32
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	15	0.32
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	2	0.32
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	25	0.32
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	19	0.32
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG3	16	0.32
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	1	0.32
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	19	0.32
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	6	0.32
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	13	0.32
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	19	0.32
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	2	0.32
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	17	0.32
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	5	0.32
(1,3172)	1:88:A:LEU:HD13	1:88:A:LEU:H	15	0.32
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	17	0.32
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	22	0.32
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	25	0.32
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	1	0.32
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3145)	1:85:A:VAL:HG22	1:74:A:CYS:H	6	0.32
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	9	0.32
(1,3145)	1:85:A:VAL:HG22	1:74:A:CYS:H	25	0.32
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	13	0.32
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	10	0.32
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	24	0.32
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	5	0.32
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	12	0.32
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	18	0.32
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG22	14	0.32
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	25	0.32
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	5	0.32
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	9	0.32
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	22	0.32
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	21	0.32
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	6	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	2	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	4	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	6	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	15	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	21	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	22	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	23	0.32
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	24	0.32
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	1	0.32
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	5	0.32
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	2	0.32
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	20	0.32
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	5	0.32
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	14	0.32
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	19	0.32
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	3	0.32
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	4	0.32
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	5	0.32
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	18	0.32
(1,2943)	1:88:A:LEU:HD22	1:89:A:TYR:HA	15	0.32
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	20	0.32
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	22	0.32
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	17	0.32
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	8	0.32
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	9	0.32
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	1	0.32
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	9	0.32
(1,2901)	1:73:A:LEU:HD13	1:77:A:GLN:HG2	14	0.32
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	9	0.32
(1,2883)	1:109:A:LEU:HD23	1:67:A:PHE:H	16	0.32
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	12	0.32
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	18	0.32
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	2	0.32
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	14	0.32
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	20	0.32
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	19	0.32
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	25	0.32
(1,2799)	1:65:A:LYS:HE2	1:66:A:LEU:HG	22	0.32
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	1	0.32
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	4	0.32
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	5	0.32
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	7	0.32
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	22	0.32
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	2	0.32
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	7	0.32
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	9	0.32
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	11	0.32
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	1	0.32
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	9	0.32
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	14	0.32
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	17	0.32
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	22	0.32
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD22	16	0.32
(1,2774)	1:85:A:VAL:HG21	1:74:A:CYS:HB3	6	0.32
(1,2762)	1:73:A:LEU:HD23	1:70:A:PHE:HA	5	0.32
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	4	0.32
(1,2733)	1:134:A:LEU:HD21	1:130:A:LEU:HG	16	0.32
(1,2692)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	10	0.32
(1,2685)	1:84:A:VAL:HG13	1:124:A:TYR:HE1	4	0.32
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	15	0.32
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	19	0.32
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	16	0.32
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	21	0.32
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	23	0.32
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	1	0.32
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	2	0.32
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	7	0.32
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	13	0.32
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	23	0.32
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	21	0.32
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	18	0.32
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	21	0.32
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	21	0.32
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	13	0.32
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	17	0.32
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	16	0.32
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	17	0.32
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	16	0.32
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	5	0.32
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	21	0.32
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	23	0.32
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	1	0.32
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	19	0.32
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	20	0.32
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	25	0.32
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	1	0.32
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	3	0.32
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	4	0.32
(1,1875)	1:135:A:LYS:H	1:135:A:LYS:HD3	22	0.32
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	11	0.32
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	6	0.32
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB1	7	0.32
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	15	0.32
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	11	0.32
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	21	0.32
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE1	2	0.32
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	3	0.32
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	24	0.32
(1,1748)	1:104:A:GLU:HG2	1:108:A:ILE:HG13	15	0.32
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG12	6	0.32
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	17	0.32
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	14	0.32
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	11	0.32
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	25	0.32
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	2	0.32
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	14	0.32
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	17	0.32
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	20	0.32
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	11	0.32
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	18	0.32
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	6	0.32
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	21	0.32
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	5	0.32
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	2	0.32
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	25	0.32
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	17	0.32
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	6	0.32
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	22	0.32
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	23	0.32
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	11	0.32
(1,1414)	1:118:A:SER:HB3	1:118:A:SER:H	17	0.32
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	24	0.32
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	13	0.32
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	14	0.32
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	23	0.32
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	4	0.32
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	15	0.32
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	5	0.32
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	22	0.32
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	25	0.32
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	9	0.32
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	14	0.32
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	17	0.32
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	6	0.32
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	12	0.32
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	25	0.32
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	2	0.32
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	7	0.32
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	18	0.32
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	14	0.32
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	9	0.32
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	12	0.32
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	5	0.32
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	14	0.32
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	16	0.32
(1,1013)	1:88:A:LEU:HD21	1:88:A:LEU:H	17	0.32
(1,1008)	1:88:A:LEU:HD12	1:74:A:CYS:H	15	0.32
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	17	0.32
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	21	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	1	0.32
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	2	0.32
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	9	0.32
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	18	0.32
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	21	0.32
(1,989)	1:88:A:LEU:HA	1:87:A:PHE:HD1	23	0.32
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	3	0.32
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	5	0.32
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	20	0.32
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG13	12	0.32
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	22	0.32
(1,855)	1:79:A:ALA:HB2	1:78:A:THR:HA	25	0.32
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	3	0.32
(1,787)	1:73:A:LEU:HD21	1:74:A:CYS:HA	17	0.32
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	4	0.32
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	10	0.32
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	23	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	1	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	2	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	7	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	10	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	11	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	13	0.32
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	14	0.32
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD11	20	0.32
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	18	0.32
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	22	0.32
(1,656)	1:64:A:GLU:HG3	1:64:A:GLU:HB3	3	0.32
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	9	0.32
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	24	0.32
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	2	0.32
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	19	0.32
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	19	0.32
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	17	0.32
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	10	0.32
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	12	0.32
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	15	0.32
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	16	0.32
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	10	0.32
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	13	0.32
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	16	0.32
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:100:A:LEU:HD21	1:105:A:PHE:HE2	22	0.32
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG23	19	0.32
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG22	1	0.32
(1,61)	1:113:A:LEU:HD23	1:66:A:LEU:HD21	6	0.32
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG23	2	0.32
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG22	18	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB3	1	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB3	2	0.32
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	6	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	8	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB3	9	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	10	0.32
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	12	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	14	0.32
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	16	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	17	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	18	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	19	0.32
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	20	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	22	0.32
(1,40)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	23	0.32
(1,40)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	25	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	1	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	2	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	3	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	4	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	5	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	6	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	7	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	8	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	9	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	10	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	11	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	12	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	13	0.32
(1,30)	1:133:A:VAL:HG11	1:133:A:VAL:HG13	14	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	15	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	16	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	17	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	18	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	19	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	21	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	22	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG13	23	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	24	0.32
(1,30)	1:133:A:VAL:HG12	1:133:A:VAL:HG11	25	0.32
(1,3580)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	21	0.31
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	2	0.31
(1,3572)	1:99:A:PHE:HZ	1:104:A:GLU:HG3	6	0.31
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	7	0.31
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	9	0.31
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	11	0.31
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	13	0.31
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	1	0.31
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	8	0.31
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	11	0.31
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	18	0.31
(1,3474)	1:125:A:VAL:HG21	1:124:A:TYR:H	2	0.31
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD12	14	0.31
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	11	0.31
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	25	0.31
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	7	0.31
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	12	0.31
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	1	0.31
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	3	0.31
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	9	0.31
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	20	0.31
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	5	0.31
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	25	0.31
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	1	0.31
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD11	18	0.31
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	17	0.31
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	13	0.31
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	16	0.31
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	24	0.31
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	17	0.31
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	23	0.31
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	10	0.31
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	2	0.31
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD22	9	0.31
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	13	0.31
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	9	0.31
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	8	0.31
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	19	0.31
(1,3206)	1:109:A:LEU:HD12	1:109:A:LEU:H	17	0.31
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	1	0.31
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	17	0.31
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	22	0.31
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	24	0.31
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	3	0.31
(1,3168)	1:100:A:LEU:HD21	1:97:A:SER:HA	2	0.31
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	5	0.31
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	6	0.31
(1,3155)	1:113:A:LEU:HD23	1:69:A:GLU:HG3	7	0.31
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	22	0.31
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	20	0.31
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	3	0.31
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	4	0.31
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	11	0.31
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	12	0.31
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	25	0.31
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	8	0.31
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	19	0.31
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	7	0.31
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	20	0.31
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	2	0.31
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	24	0.31
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	3	0.31
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	12	0.31
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	14	0.31
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	22	0.31
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	24	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	1	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	5	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	7	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	8	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	9	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	10	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	11	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	14	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	16	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	17	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	18	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	20	0.31
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	25	0.31
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	12	0.31
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	2	0.31
(1,3040)	1:116:A:ALA:HB2	1:112:A:VAL:HB	4	0.31
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	10	0.31
(1,3034)	1:135:A:LYS:HA	1:91:A:ARG:HD3	20	0.31
(1,3016)	1:71:A:LEU:HD21	1:85:A:VAL:H	4	0.31
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	19	0.31
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	7	0.31
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	14	0.31
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	21	0.31
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	7	0.31
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB3	23	0.31
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	5	0.31
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	22	0.31
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	25	0.31
(1,2925)	1:85:A:VAL:HB	1:75:A:LYS:HG3	25	0.31
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	10	0.31
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	20	0.31
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	21	0.31
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	12	0.31
(1,2906)	1:82:A:PRO:HA	1:82:A:PRO:HG2	19	0.31
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	6	0.31
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	5	0.31
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	11	0.31
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	23	0.31
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	7	0.31
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	21	0.31
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	12	0.31
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	23	0.31
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	3	0.31
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	13	0.31
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD13	5	0.31
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	9	0.31
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD11	23	0.31
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	4	0.31
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	11	0.31
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	12	0.31
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	16	0.31
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	21	0.31
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	23	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	24	0.31
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD22	7	0.31
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD22	9	0.31
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	7	0.31
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	18	0.31
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	24	0.31
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	8	0.31
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	5	0.31
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	8	0.31
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	5	0.31
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	1	0.31
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	10	0.31
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	14	0.31
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	6	0.31
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	11	0.31
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	1	0.31
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	3	0.31
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	15	0.31
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD3	6	0.31
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	13	0.31
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	25	0.31
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	2	0.31
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	9	0.31
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	17	0.31
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	16	0.31
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	5	0.31
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	18	0.31
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	3	0.31
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	19	0.31
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	10	0.31
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	23	0.31
(1,2006)	1:71:A:LEU:HD11	1:71:A:LEU:H	23	0.31
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	4	0.31
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	10	0.31
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	12	0.31
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	19	0.31
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	13	0.31
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	17	0.31
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	19	0.31
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	12	0.31
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	15	0.31
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	2	0.31
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	5	0.31
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	10	0.31
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	1	0.31
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	25	0.31
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	23	0.31
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	8	0.31
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	12	0.31
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	23	0.31
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG12	7	0.31
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	22	0.31
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB2	7	0.31
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	8	0.31
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	10	0.31
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	5	0.31
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	6	0.31
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	21	0.31
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	5	0.31
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	17	0.31
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	12	0.31
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	3	0.31
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	1	0.31
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	4	0.31
(1,1507)	1:125:A:VAL:HG13	1:126:A:TYR:H	17	0.31
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	9	0.31
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	10	0.31
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	22	0.31
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	17	0.31
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	2	0.31
(1,1469)	1:122:A:LYS:HG2	1:119:A:ARG:HB3	20	0.31
(1,1405)	1:116:A:ALA:HB1	1:113:A:LEU:H	21	0.31
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD11	2	0.31
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	13	0.31
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	8	0.31
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	11	0.31
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	23	0.31
(1,1278)	1:108:A:ILE:HA	1:112:A:VAL:HG23	15	0.31
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	22	0.31
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	7	0.31
(1,1183)	1:100:A:LEU:HD21	1:100:A:LEU:H	16	0.31
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	10	0.31
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	22	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	23	0.31
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	8	0.31
(1,1152)	1:98:A:LEU:HD21	1:96:A:HIS:HE1	20	0.31
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD13	9	0.31
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	2	0.31
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	13	0.31
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	2	0.31
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	16	0.31
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	20	0.31
(1,1013)	1:88:A:LEU:HD22	1:88:A:LEU:H	18	0.31
(1,1008)	1:88:A:LEU:HD11	1:74:A:CYS:H	19	0.31
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	23	0.31
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	14	0.31
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	9	0.31
(1,928)	1:84:A:VAL:HG22	1:124:A:TYR:HD1	10	0.31
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	11	0.31
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	2	0.31
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	8	0.31
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	22	0.31
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	18	0.31
(1,851)	1:78:A:THR:HG23	1:81:A:HIS:HB3	20	0.31
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	14	0.31
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	1	0.31
(1,787)	1:73:A:LEU:HD21	1:74:A:CYS:HA	4	0.31
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	14	0.31
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	22	0.31
(1,725)	1:66:A:LEU:HD23	1:69:A:GLU:HB3	6	0.31
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	15	0.31
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	4	0.31
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	9	0.31
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	24	0.31
(1,700)	1:66:A:LEU:HD21	1:65:A:LYS:HE2	9	0.31
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	6	0.31
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	14	0.31
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	21	0.31
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	25	0.31
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	8	0.31
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	10	0.31
(1,475)	1:91:A:ARG:HA	1:91:A:ARG:HD2	1	0.31
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	4	0.31
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	23	0.31
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	11	0.31
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	16	0.31
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	4	0.31
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	6	0.31
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	7	0.31
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	13	0.31
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	25	0.31
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	7	0.31
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	20	0.31
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	11	0.31
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	17	0.31
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG12	5	0.31
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG12	6	0.31
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	15	0.31
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG12	20	0.31
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	23	0.31
(1,234)	1:73:A:LEU:HD22	1:123:A:LEU:HD13	21	0.31
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG12	10	0.31
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG13	23	0.31
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG11	24	0.31
(1,161)	1:123:A:LEU:HD23	1:77:A:GLN:HB3	25	0.31
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	24	0.31
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG23	18	0.31
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG22	6	0.31
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG21	8	0.31
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD22	2	0.31
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	13	0.31
(1,3579)	1:123:A:LEU:HD12	1:70:A:PHE:HE1	14	0.3
(1,3572)	1:99:A:PHE:HZ	1:133:A:VAL:HB	10	0.3
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	16	0.3
(1,3559)	1:112:A:VAL:HG23	1:115:A:ARG:H	7	0.3
(1,3559)	1:112:A:VAL:HG22	1:115:A:ARG:H	14	0.3
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	24	0.3
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB1	14	0.3
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	18	0.3
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	19	0.3
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	5	0.3
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	7	0.3
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	8	0.3
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	19	0.3
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	22	0.3
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	24	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	1	0.3
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	14	0.3
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	12	0.3
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	11	0.3
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	14	0.3
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	18	0.3
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	8	0.3
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD11	8	0.3
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	17	0.3
(1,3284)	1:113:A:LEU:HD21	1:73:A:LEU:H	6	0.3
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	21	0.3
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	5	0.3
(1,3275)	1:71:A:LEU:H	1:72:A:GLU:HB2	20	0.3
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	3	0.3
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	22	0.3
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	25	0.3
(1,3250)	1:60:A:LYS:HD2	1:64:A:GLU:H	24	0.3
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE2	15	0.3
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	19	0.3
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	15	0.3
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	18	0.3
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	22	0.3
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	14	0.3
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	15	0.3
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	17	0.3
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	23	0.3
(1,3206)	1:109:A:LEU:HD11	1:66:A:LEU:H	15	0.3
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	3	0.3
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	12	0.3
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	1	0.3
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	1	0.3
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	23	0.3
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	12	0.3
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	14	0.3
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	19	0.3
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	12	0.3
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	14	0.3
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	1	0.3
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	5	0.3
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	17	0.3
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	1	0.3
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:132:A:THR:HB	1:134:A:LEU:H	6	0.3
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	15	0.3
(1,3115)	1:127:A:ILE:HG22	1:131:A:CYS:HB3	15	0.3
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	21	0.3
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	5	0.3
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	25	0.3
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	8	0.3
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	14	0.3
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	18	0.3
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	19	0.3
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	9	0.3
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	15	0.3
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	24	0.3
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	3	0.3
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	18	0.3
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	6	0.3
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	11	0.3
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	4	0.3
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	20	0.3
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	25	0.3
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	12	0.3
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	13	0.3
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	3	0.3
(1,3050)	1:120:A:PRO:HB2	1:120:A:PRO:HD2	12	0.3
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	17	0.3
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	24	0.3
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	8	0.3
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	23	0.3
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	7	0.3
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	5	0.3
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	17	0.3
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	7	0.3
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	11	0.3
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	9	0.3
(1,2994)	1:101:A:ALA:HB3	1:59:A:TYR:H	23	0.3
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	8	0.3
(1,2970)	1:95:A:ALA:HB3	1:138:A:SER:HB2	2	0.3
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	4	0.3
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	5	0.3
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD12	15	0.3
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	6	0.3
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	2	0.3
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	16	0.3
(1,2903)	1:79:A:ALA:HB1	1:77:A:GLN:HA	1	0.3
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	17	0.3
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	11	0.3
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	4	0.3
(1,2890)	1:73:A:LEU:HD21	1:116:A:ALA:H	6	0.3
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	14	0.3
(1,2885)	1:134:A:LEU:HD12	1:131:A:CYS:HB3	8	0.3
(1,2880)	1:71:A:LEU:HD23	1:89:A:TYR:HA	18	0.3
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	1	0.3
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	3	0.3
(1,2877)	1:71:A:LEU:HD12	1:88:A:LEU:HB2	13	0.3
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	14	0.3
(1,2877)	1:71:A:LEU:HD12	1:88:A:LEU:HB2	18	0.3
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	24	0.3
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	17	0.3
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	8	0.3
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	24	0.3
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	7	0.3
(1,2800)	1:141:A:LYS:HD3	1:141:A:LYS:HE2	8	0.3
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	10	0.3
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	14	0.3
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	18	0.3
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	21	0.3
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	16	0.3
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	10	0.3
(1,2778)	1:130:A:LEU:HD13	1:109:A:LEU:HD22	22	0.3
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	20	0.3
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	8	0.3
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	6	0.3
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	9	0.3
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	1	0.3
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	5	0.3
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	9	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	2	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	3	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	11	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	16	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	17	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	22	0.3
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	24	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	1	0.3
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	14	0.3
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	22	0.3
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	7	0.3
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	9	0.3
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	5	0.3
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	21	0.3
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	7	0.3
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	4	0.3
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	19	0.3
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	18	0.3
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	23	0.3
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	23	0.3
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	18	0.3
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	25	0.3
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	6	0.3
(1,1998)	1:70:A:PHE:H	1:70:A:PHE:HD1	25	0.3
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	12	0.3
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	3	0.3
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	5	0.3
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	24	0.3
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	5	0.3
(1,1880)	1:143:A:LEU:HG	1:143:A:LEU:H	1	0.3
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	13	0.3
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	1	0.3
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	10	0.3
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	22	0.3
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	22	0.3
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	5	0.3
(1,1813)	1:101:A:ALA:HB2	1:102:A:SER:H	4	0.3
(1,1813)	1:101:A:ALA:HB1	1:102:A:SER:H	11	0.3
(1,1806)	1:139:A:ALA:HB1	1:96:A:HIS:H	8	0.3
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	3	0.3
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	7	0.3
(1,1781)	1:98:A:LEU:HD23	1:98:A:LEU:H	2	0.3
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	18	0.3
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	18	0.3
(1,1677)	1:138:A:SER:HB2	1:138:A:SER:H	14	0.3
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	9	0.3
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	16	0.3
(1,1647)	1:134:A:LEU:HD23	1:99:A:PHE:HZ	11	0.3
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:134:A:LEU:HD22	1:134:A:LEU:H	1	0.3
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	9	0.3
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	10	0.3
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	10	0.3
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	25	0.3
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	10	0.3
(1,1518)	1:125:A:VAL:HG22	1:126:A:TYR:H	13	0.3
(1,1507)	1:125:A:VAL:HG11	1:126:A:TYR:H	15	0.3
(1,1507)	1:125:A:VAL:HG11	1:126:A:TYR:H	20	0.3
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	23	0.3
(1,1506)	1:125:A:VAL:HG13	1:129:A:GLU:H	5	0.3
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	8	0.3
(1,1506)	1:125:A:VAL:HG11	1:129:A:GLU:H	15	0.3
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	9	0.3
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	11	0.3
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	14	0.3
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	15	0.3
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	16	0.3
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	22	0.3
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	5	0.3
(1,1469)	1:122:A:LYS:HG2	1:119:A:ARG:HB3	1	0.3
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	8	0.3
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	17	0.3
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	25	0.3
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	13	0.3
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	8	0.3
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	17	0.3
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	22	0.3
(1,1336)	1:107:A:ASN:HA	1:110:A:SER:HB2	9	0.3
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	7	0.3
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD21	1	0.3
(1,1183)	1:100:A:LEU:HD21	1:100:A:LEU:H	22	0.3
(1,1183)	1:100:A:LEU:HD21	1:100:A:LEU:H	24	0.3
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	11	0.3
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	7	0.3
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	20	0.3
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	4	0.3
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	19	0.3
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	18	0.3
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	13	0.3
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	19	0.3
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	22	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	4	0.3
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	9	0.3
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	11	0.3
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	13	0.3
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	18	0.3
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	7	0.3
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	14	0.3
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	13	0.3
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	19	0.3
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	12	0.3
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	18	0.3
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	19	0.3
(1,820)	1:71:A:LEU:HD23	1:75:A:LYS:HE2	24	0.3
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	2	0.3
(1,788)	1:73:A:LEU:HD23	1:77:A:GLN:HG3	4	0.3
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	6	0.3
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	17	0.3
(1,775)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	5	0.3
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	3	0.3
(1,732)	1:70:A:PHE:HB2	1:71:A:LEU:H	17	0.3
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	15	0.3
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	25	0.3
(1,689)	1:66:A:LEU:HD11	1:110:A:SER:HB3	7	0.3
(1,689)	1:66:A:LEU:HD11	1:110:A:SER:HB2	22	0.3
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	2	0.3
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	9	0.3
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	16	0.3
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	12	0.3
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD21	17	0.3
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	10	0.3
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	19	0.3
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	21	0.3
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	7	0.3
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	8	0.3
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	20	0.3
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	24	0.3
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	4	0.3
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	21	0.3
(1,428)	1:108:A:ILE:HD13	1:104:A:GLU:HG2	5	0.3
(1,402)	1:101:A:ALA:HB2	1:60:A:LYS:HA	7	0.3
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	1	0.3
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	5	0.3
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	6	0.3
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	8	0.3
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	9	0.3
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	12	0.3
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	18	0.3
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	10	0.3
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	17	0.3
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	18	0.3
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	23	0.3
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	24	0.3
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG22	10	0.3
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG22	25	0.3
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG11	25	0.3
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD13	3	0.3
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	10	0.3
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	24	0.3
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	9	0.3
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG13	1	0.3
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	7	0.3
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	13	0.3
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG23	2	0.3
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG21	16	0.3
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG22	22	0.3
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG21	23	0.3
(1,57)	1:71:A:LEU:HD13	1:85:A:VAL:HG23	5	0.3
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG23	7	0.3
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG21	15	0.3
(1,57)	1:71:A:LEU:HD11	1:85:A:VAL:HG23	20	0.3
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG23	22	0.3
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD23	17	0.3
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD21	19	0.3
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD23	4	0.29
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	19	0.29
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	25	0.29
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	15	0.29
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	14	0.29
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	20	0.29
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	13	0.29
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	21	0.29
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	17	0.29
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	21	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	25	0.29
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD13	7	0.29
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	13	0.29
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	15	0.29
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	17	0.29
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	23	0.29
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	4	0.29
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	18	0.29
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	25	0.29
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	22	0.29
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	5	0.29
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	20	0.29
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	12	0.29
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	14	0.29
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	22	0.29
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	8	0.29
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	10	0.29
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	12	0.29
(1,3314)	1:77:A:GLN:HE22	1:123:A:LEU:HB2	13	0.29
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	8	0.29
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	4	0.29
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	24	0.29
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	16	0.29
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	20	0.29
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	21	0.29
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	7	0.29
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	13	0.29
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	17	0.29
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	1	0.29
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	16	0.29
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	15	0.29
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	8	0.29
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	20	0.29
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	22	0.29
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	24	0.29
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	14	0.29
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	21	0.29
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	2	0.29
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	4	0.29
(1,3195)	1:77:A:GLN:H	1:76:A:MET:HG3	8	0.29
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	6	0.29
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	24	0.29
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	3	0.29
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	4	0.29
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	8	0.29
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	23	0.29
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	1	0.29
(1,3158)	1:125:A:VAL:HG13	1:129:A:GLU:HG3	11	0.29
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	2	0.29
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	25	0.29
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	2	0.29
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	23	0.29
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	16	0.29
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	2	0.29
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	13	0.29
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	9	0.29
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	22	0.29
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	17	0.29
(1,3084)	1:127:A:ILE:HG23	1:124:A:TYR:HE1	3	0.29
(1,3084)	1:127:A:ILE:HG21	1:124:A:TYR:HE1	18	0.29
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	23	0.29
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	4	0.29
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	9	0.29
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	18	0.29
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	6	0.29
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	17	0.29
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	23	0.29
(1,3065)	1:125:A:VAL:HA	1:126:A:TYR:HD1	25	0.29
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	9	0.29
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	3	0.29
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	9	0.29
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	24	0.29
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE3	16	0.29
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	24	0.29
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	13	0.29
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	1	0.29
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	9	0.29
(1,3015)	1:71:A:LEU:HD21	1:88:A:LEU:H	13	0.29
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	18	0.29
(1,3015)	1:71:A:LEU:HD22	1:88:A:LEU:H	25	0.29
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	4	0.29
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	9	0.29
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	18	0.29
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB1	20	0.29
(1,2989)	1:100:A:LEU:HD21	1:92:A:GLN:HB2	13	0.29
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB3	25	0.29
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	6	0.29
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	2	0.29
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	9	0.29
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	8	0.29
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	6	0.29
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	14	0.29
(1,2919)	1:133:A:VAL:HG21	1:108:A:ILE:HB	15	0.29
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	19	0.29
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG22	3	0.29
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	21	0.29
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	14	0.29
(1,2877)	1:71:A:LEU:HD12	1:88:A:LEU:HB2	23	0.29
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	9	0.29
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	20	0.29
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	25	0.29
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	1	0.29
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	24	0.29
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	2	0.29
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	1	0.29
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	12	0.29
(1,2800)	1:141:A:LYS:HD3	1:141:A:LYS:HE2	15	0.29
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	24	0.29
(1,2797)	1:113:A:LEU:HB2	1:113:A:LEU:HA	8	0.29
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	12	0.29
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	20	0.29
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	23	0.29
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	24	0.29
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	1	0.29
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	1	0.29
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	7	0.29
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	2	0.29
(1,2781)	1:123:A:LEU:HD12	1:127:A:ILE:HG12	7	0.29
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	18	0.29
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD23	10	0.29
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	17	0.29
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD22	20	0.29
(1,2738)	1:101:A:ALA:HB2	1:58:A:CYS:HB2	13	0.29
(1,2738)	1:101:A:ALA:HB1	1:58:A:CYS:HB2	25	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	23	0.29
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	25	0.29
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	19	0.29
(1,2667)	1:130:A:LEU:HD22	1:70:A:PHE:HD1	22	0.29
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	8	0.29
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	15	0.29
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	18	0.29
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	14	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	2	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	6	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	10	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	19	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	20	0.29
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	22	0.29
(1,2574)	1:115:A:ARG:HG2	1:115:A:ARG:H	5	0.29
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	2	0.29
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	14	0.29
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	1	0.29
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	10	0.29
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	21	0.29
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	9	0.29
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE2	1	0.29
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	12	0.29
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	21	0.29
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	22	0.29
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	24	0.29
(1,2090)	1:81:A:HIS:H	1:84:A:VAL:HG22	23	0.29
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	3	0.29
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	8	0.29
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	22	0.29
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	24	0.29
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	5	0.29
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	3	0.29
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	12	0.29
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	22	0.29
(1,1986)	1:109:A:LEU:HD23	1:68:A:GLU:H	7	0.29
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	9	0.29
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	8	0.29
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	9	0.29
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	17	0.29
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	18	0.29
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB2	23	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG2	12	0.29
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	13	0.29
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	14	0.29
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	21	0.29
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	24	0.29
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB1	25	0.29
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	13	0.29
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	5	0.29
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	8	0.29
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	9	0.29
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	18	0.29
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	25	0.29
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	16	0.29
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD21	25	0.29
(1,1830)	1:85:A:VAL:HG22	1:74:A:CYS:H	19	0.29
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	2	0.29
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	14	0.29
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	20	0.29
(1,1824)	1:101:A:ALA:HB1	1:59:A:TYR:H	24	0.29
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	18	0.29
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	19	0.29
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	20	0.29
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG13	2	0.29
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG11	19	0.29
(1,1739)	1:66:A:LEU:HD22	1:69:A:GLU:HG2	17	0.29
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	13	0.29
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	3	0.29
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	8	0.29
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	2	0.29
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	17	0.29
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	9	0.29
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	13	0.29
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	22	0.29
(1,1606)	1:131:A:CYS:HB2	1:130:A:LEU:H	7	0.29
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	3	0.29
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	9	0.29
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	3	0.29
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	24	0.29
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	13	0.29
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	18	0.29
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	2	0.29
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	3	0.29
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	10	0.29
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	6	0.29
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	7	0.29
(1,1506)	1:125:A:VAL:HG12	1:129:A:GLU:H	19	0.29
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	4	0.29
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	8	0.29
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	12	0.29
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	19	0.29
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	25	0.29
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	7	0.29
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	4	0.29
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	23	0.29
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	2	0.29
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	25	0.29
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	3	0.29
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	23	0.29
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	9	0.29
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	4	0.29
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	10	0.29
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	6	0.29
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	12	0.29
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	3	0.29
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD22	20	0.29
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	10	0.29
(1,1182)	1:100:A:LEU:HD12	1:92:A:GLN:HE22	21	0.29
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	3	0.29
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD13	8	0.29
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	15	0.29
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	20	0.29
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	6	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	6	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	7	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	12	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	14	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	17	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	18	0.29
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	23	0.29
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	19	0.29
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	4	0.29
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	10	0.29
(1,1003)	1:137:A:HIS:HB3	1:137:A:HIS:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	20	0.29
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	1	0.29
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	15	0.29
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	2	0.29
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	20	0.29
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	17	0.29
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	5	0.29
(1,792)	1:73:A:LEU:HD22	1:70:A:PHE:HD2	15	0.29
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	14	0.29
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	17	0.29
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	24	0.29
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	5	0.29
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	12	0.29
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	16	0.29
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	9	0.29
(1,765)	1:71:A:LEU:HD23	1:74:A:CYS:H	25	0.29
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD21	7	0.29
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	25	0.29
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	12	0.29
(1,722)	1:62:A:GLU:HG2	1:62:A:GLU:HA	11	0.29
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	19	0.29
(1,700)	1:66:A:LEU:HD23	1:65:A:LYS:HE2	13	0.29
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	12	0.29
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	19	0.29
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	1	0.29
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD21	4	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	1	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	5	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	6	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	8	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	10	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	12	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	14	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	18	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	21	0.29
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	24	0.29
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	22	0.29
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	24	0.29
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	12	0.29
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD2	3	0.29
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	24	0.29
(1,442)	1:72:A:GLU:HG2	1:72:A:GLU:H	25	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	1	0.29
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	7	0.29
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	13	0.29
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	14	0.29
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	19	0.29
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	21	0.29
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	5	0.29
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	7	0.29
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	14	0.29
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	18	0.29
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	22	0.29
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	13	0.29
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	10	0.29
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	11	0.29
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	2	0.29
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	4	0.29
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	10	0.29
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	14	0.29
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	15	0.29
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	21	0.29
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	5	0.29
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	11	0.29
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	14	0.29
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	21	0.29
(1,312)	1:117:A:ARG:HD2	1:117:A:ARG:HB3	3	0.29
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	3	0.29
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	6	0.29
(1,254)	1:130:A:LEU:HD13	1:133:A:VAL:HG21	7	0.29
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG13	1	0.29
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG12	9	0.29
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	11	0.29
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG13	12	0.29
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG13	14	0.29
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG12	16	0.29
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	19	0.29
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	7	0.29
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	6	0.29
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	5	0.29
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG12	16	0.29
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG13	17	0.29
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG13	21	0.29
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG22	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG22	6	0.29
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG21	10	0.29
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG23	4	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	1	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	2	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	3	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	4	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	5	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD21	6	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	7	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	8	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	9	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD21	10	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	11	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	12	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	13	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	14	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	15	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD21	16	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	17	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	18	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD23	19	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	20	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	21	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	22	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	23	0.29
(1,20)	1:71:A:LEU:HD22	1:71:A:LEU:HD21	24	0.29
(1,20)	1:71:A:LEU:HD21	1:71:A:LEU:HD23	25	0.29
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	10	0.28
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	6	0.28
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	14	0.28
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	22	0.28
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	2	0.28
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	14	0.28
(1,3487)	1:125:A:VAL:HG21	1:126:A:TYR:H	5	0.28
(1,3474)	1:125:A:VAL:HG21	1:124:A:TYR:H	7	0.28
(1,3474)	1:125:A:VAL:HG22	1:124:A:TYR:H	13	0.28
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	21	0.28
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	19	0.28
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	12	0.28
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	21	0.28
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	21	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	1	0.28
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	25	0.28
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	2	0.28
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	5	0.28
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	16	0.28
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	21	0.28
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	25	0.28
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	24	0.28
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	10	0.28
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD12	7	0.28
(1,3291)	1:85:A:VAL:HG22	1:74:A:CYS:H	16	0.28
(1,3291)	1:85:A:VAL:HG21	1:74:A:CYS:H	21	0.28
(1,3291)	1:85:A:VAL:HG23	1:74:A:CYS:H	23	0.28
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	15	0.28
(1,3284)	1:113:A:LEU:HD21	1:73:A:LEU:H	16	0.28
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	1	0.28
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	11	0.28
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	8	0.28
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	4	0.28
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	16	0.28
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	5	0.28
(1,3259)	1:66:A:LEU:HD12	1:67:A:PHE:H	7	0.28
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	11	0.28
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	21	0.28
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	6	0.28
(1,3223)	1:65:A:LYS:HG2	1:66:A:LEU:H	8	0.28
(1,3213)	1:130:A:LEU:HG	1:130:A:LEU:H	17	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	3	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	5	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	6	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	10	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	11	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	21	0.28
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	25	0.28
(1,3210)	1:123:A:LEU:H	1:122:A:LYS:HG2	15	0.28
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	2	0.28
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	23	0.28
(1,3188)	1:62:A:GLU:H	1:60:A:LYS:HG3	23	0.28
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	13	0.28
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	17	0.28
(1,3173)	1:125:A:VAL:HG21	1:126:A:TYR:H	7	0.28
(1,3173)	1:125:A:VAL:HG23	1:126:A:TYR:H	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3169)	1:142:A:LYS:HG2	1:142:A:LYS:H	12	0.28
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	12	0.28
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	11	0.28
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB2	10	0.28
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	20	0.28
(1,3115)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	2	0.28
(1,3115)	1:127:A:ILE:HG23	1:131:A:CYS:HB3	18	0.28
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HD1	23	0.28
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	16	0.28
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	16	0.28
(1,3082)	1:127:A:ILE:HG23	1:87:A:PHE:HD2	22	0.28
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG22	6	0.28
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	8	0.28
(1,3068)	1:125:A:VAL:HG13	1:126:A:TYR:HB2	17	0.28
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	1	0.28
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	8	0.28
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	10	0.28
(1,3060)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	11	0.28
(1,3040)	1:116:A:ALA:HB2	1:112:A:VAL:HB	7	0.28
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	13	0.28
(1,3040)	1:116:A:ALA:HB1	1:123:A:LEU:HB2	17	0.28
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	13	0.28
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	22	0.28
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	23	0.28
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG23	2	0.28
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	4	0.28
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	12	0.28
(1,3024)	1:112:A:VAL:HG12	1:127:A:ILE:H	22	0.28
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	16	0.28
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	24	0.28
(1,3015)	1:71:A:LEU:HD23	1:88:A:LEU:H	22	0.28
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	7	0.28
(1,2989)	1:100:A:LEU:HD21	1:92:A:GLN:HB2	1	0.28
(1,2989)	1:100:A:LEU:HD22	1:63:A:ASN:HB3	7	0.28
(1,2975)	1:113:A:LEU:HD22	1:69:A:GLU:H	25	0.28
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	10	0.28
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	5	0.28
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	3	0.28
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	4	0.28
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	2	0.28
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	25	0.28
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	9	0.28
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	4	0.28
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	10	0.28
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	6	0.28
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	17	0.28
(1,2877)	1:71:A:LEU:HD12	1:88:A:LEU:HB2	5	0.28
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	22	0.28
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD22	19	0.28
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	20	0.28
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	15	0.28
(1,2824)	1:123:A:LEU:HA	1:123:A:LEU:HB3	8	0.28
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE2	6	0.28
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	13	0.28
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	22	0.28
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	15	0.28
(1,2790)	1:85:A:VAL:HG11	1:75:A:LYS:HG3	18	0.28
(1,2790)	1:85:A:VAL:HG12	1:71:A:LEU:HB3	19	0.28
(1,2786)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	9	0.28
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	4	0.28
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	10	0.28
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	14	0.28
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	16	0.28
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	18	0.28
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	22	0.28
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	23	0.28
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	12	0.28
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD12	13	0.28
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	3	0.28
(1,2781)	1:123:A:LEU:HD11	1:127:A:ILE:HG12	19	0.28
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	13	0.28
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	13	0.28
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	16	0.28
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	16	0.28
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	4	0.28
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	20	0.28
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	25	0.28
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	9	0.28
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	12	0.28
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	2	0.28
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	7	0.28
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	7	0.28
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	16	0.28
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	20	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	11	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	13	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	15	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	16	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	17	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	23	0.28
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	24	0.28
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD13	7	0.28
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	11	0.28
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	25	0.28
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	14	0.28
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	7	0.28
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	9	0.28
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	5	0.28
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	7	0.28
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	18	0.28
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	20	0.28
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	13	0.28
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	17	0.28
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	24	0.28
(1,2081)	1:80:A:ASP:HB2	1:80:A:ASP:H	13	0.28
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	1	0.28
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	17	0.28
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	6	0.28
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	10	0.28
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	16	0.28
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	21	0.28
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	1	0.28
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	6	0.28
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	7	0.28
(1,2021)	1:73:A:LEU:HD22	1:73:A:LEU:H	9	0.28
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	16	0.28
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	24	0.28
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	9	0.28
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	21	0.28
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	19	0.28
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	12	0.28
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	5	0.28
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	17	0.28
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	13	0.28
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	24	0.28
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	15	0.28
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	12	0.28
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	16	0.28
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	21	0.28
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	8	0.28
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	12	0.28
(1,1806)	1:139:A:ALA:HB1	1:96:A:HIS:H	11	0.28
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	21	0.28
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	17	0.28
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	5	0.28
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	15	0.28
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG11	20	0.28
(1,1739)	1:66:A:LEU:HD22	1:69:A:GLU:HG2	4	0.28
(1,1734)	1:103:A:ALA:HB3	1:102:A:SER:HB2	4	0.28
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	25	0.28
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	22	0.28
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	22	0.28
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	8	0.28
(1,1641)	1:134:A:LEU:HD22	1:134:A:LEU:H	17	0.28
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	20	0.28
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	6	0.28
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	17	0.28
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	19	0.28
(1,1507)	1:125:A:VAL:HG11	1:126:A:TYR:H	24	0.28
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	1	0.28
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	5	0.28
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	6	0.28
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	21	0.28
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	8	0.28
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	11	0.28
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	3	0.28
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	6	0.28
(1,1407)	1:73:A:LEU:HD23	1:117:A:ARG:HA	17	0.28
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	23	0.28
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	1	0.28
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	1	0.28
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	13	0.28
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	2	0.28
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	14	0.28
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	13	0.28
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	18	0.28
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD21	9	0.28
(1,1200)	1:101:A:ALA:HA	1:60:A:LYS:HG3	24	0.28
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	5	0.28
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	5	0.28
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	6	0.28
(1,1152)	1:98:A:LEU:HD23	1:96:A:HIS:HE1	1	0.28
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	6	0.28
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	22	0.28
(1,1075)	1:91:A:ARG:HB2	1:91:A:ARG:HD2	10	0.28
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	11	0.28
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	15	0.28
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	19	0.28
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	20	0.28
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	24	0.28
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	8	0.28
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	15	0.28
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	3	0.28
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	10	0.28
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	4	0.28
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	12	0.28
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	15	0.28
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	25	0.28
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	8	0.28
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	4	0.28
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	15	0.28
(1,820)	1:71:A:LEU:HD23	1:75:A:LYS:HE2	13	0.28
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	24	0.28
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	8	0.28
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	13	0.28
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	14	0.28
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	20	0.28
(1,765)	1:71:A:LEU:HD23	1:74:A:CYS:H	4	0.28
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	22	0.28
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	1	0.28
(1,700)	1:66:A:LEU:HD22	1:65:A:LYS:HE2	18	0.28
(1,697)	1:66:A:LEU:HD21	1:113:A:LEU:HB2	1	0.28
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	6	0.28
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	17	0.28
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	20	0.28
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:64:A:GLU:HA	1:64:A:GLU:HG2	24	0.28
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	2	0.28
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	3	0.28
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	11	0.28
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	15	0.28
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	20	0.28
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	22	0.28
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	13	0.28
(1,442)	1:72:A:GLU:HG2	1:72:A:GLU:H	23	0.28
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	9	0.28
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	16	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	2	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	3	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	6	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	13	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	16	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	20	0.28
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	25	0.28
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	1	0.28
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	3	0.28
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	5	0.28
(1,402)	1:101:A:ALA:HB1	1:60:A:LYS:HA	13	0.28
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	13	0.28
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	19	0.28
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	20	0.28
(1,394)	1:127:A:ILE:HD12	1:127:A:ILE:HG13	22	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	1	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	3	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	7	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	8	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	9	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	11	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	17	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	19	0.28
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	22	0.28
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	1	0.28
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	5	0.28
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	8	0.28
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	11	0.28
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	12	0.28
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	21	0.28
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	25	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	2	0.28
(1,254)	1:130:A:LEU:HD12	1:133:A:VAL:HG22	14	0.28
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG11	2	0.28
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG13	4	0.28
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG11	17	0.28
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG11	22	0.28
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD13	5	0.28
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD13	6	0.28
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD13	13	0.28
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD11	1	0.28
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD12	24	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	11	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	13	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	15	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	16	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	17	0.28
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	23	0.28
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG13	20	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	1	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	2	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	3	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	4	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	5	0.28
(1,32)	1:132:A:THR:HG22	1:132:A:THR:HG23	6	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	7	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	8	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	9	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	10	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	11	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	12	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	13	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	14	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	15	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	16	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	17	0.28
(1,32)	1:132:A:THR:HG22	1:132:A:THR:HG23	18	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	19	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	20	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	21	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	22	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG22	23	0.28
(1,32)	1:132:A:THR:HG21	1:132:A:THR:HG23	24	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:132:A:THR:HG22	1:132:A:THR:HG23	25	0.28
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	8	0.28
(1,18)	1:98:A:LEU:HD13	1:98:A:LEU:HD23	9	0.28
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	3	0.27
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	1	0.27
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	4	0.27
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	7	0.27
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	12	0.27
(1,3558)	1:115:A:ARG:H	1:112:A:VAL:HB	13	0.27
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	8	0.27
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	15	0.27
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	6	0.27
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	8	0.27
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	24	0.27
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	2	0.27
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	18	0.27
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	21	0.27
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	17	0.27
(1,3344)	1:88:A:LEU:HD13	1:89:A:TYR:H	6	0.27
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	20	0.27
(1,3344)	1:88:A:LEU:HD12	1:89:A:TYR:H	21	0.27
(1,3344)	1:88:A:LEU:HD23	1:89:A:TYR:H	24	0.27
(1,3333)	1:84:A:VAL:HG12	1:87:A:PHE:H	21	0.27
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	5	0.27
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	6	0.27
(1,3310)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	2	0.27
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	20	0.27
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	6	0.27
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD11	19	0.27
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	20	0.27
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	13	0.27
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	5	0.27
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	14	0.27
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	18	0.27
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	10	0.27
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	18	0.27
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	19	0.27
(1,3235)	1:62:A:GLU:H	1:60:A:LYS:HE3	2	0.27
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	1	0.27
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	4	0.27
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	9	0.27
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3206)	1:109:A:LEU:HD11	1:66:A:LEU:H	7	0.27
(1,3206)	1:109:A:LEU:HD12	1:66:A:LEU:H	9	0.27
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	14	0.27
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	13	0.27
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	24	0.27
(1,3151)	1:116:A:ALA:HB1	1:123:A:LEU:HD12	24	0.27
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB1	11	0.27
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	6	0.27
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE1	16	0.27
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	4	0.27
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	11	0.27
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	9	0.27
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	17	0.27
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	24	0.27
(1,3088)	1:127:A:ILE:HD13	1:124:A:TYR:HB2	3	0.27
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	13	0.27
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	10	0.27
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	23	0.27
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	20	0.27
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD2	3	0.27
(1,3040)	1:116:A:ALA:HB1	1:123:A:LEU:HB2	1	0.27
(1,3040)	1:116:A:ALA:HB2	1:112:A:VAL:HB	11	0.27
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	12	0.27
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	19	0.27
(1,3032)	1:113:A:LEU:HD13	1:112:A:VAL:HG22	15	0.27
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG23	18	0.27
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	11	0.27
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	15	0.27
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	23	0.27
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	3	0.27
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	10	0.27
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	2	0.27
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	3	0.27
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	8	0.27
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	24	0.27
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	7	0.27
(1,2977)	1:99:A:PHE:HA	1:99:A:PHE:HE1	24	0.27
(1,2964)	1:94:A:ARG:HB3	1:91:A:ARG:HA	20	0.27
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	2	0.27
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	8	0.27
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	10	0.27
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	20	0.27
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	2	0.27
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	6	0.27
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	6	0.27
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	14	0.27
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	22	0.27
(1,2919)	1:133:A:VAL:HG21	1:108:A:ILE:HB	24	0.27
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG21	2	0.27
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	24	0.27
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	8	0.27
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	2	0.27
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	4	0.27
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	8	0.27
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	11	0.27
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	16	0.27
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	19	0.27
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD13	9	0.27
(1,2853)	1:61:A:LEU:HD23	1:61:A:LEU:H	18	0.27
(1,2824)	1:123:A:LEU:HA	1:123:A:LEU:HB3	3	0.27
(1,2824)	1:123:A:LEU:HA	1:123:A:LEU:HB3	15	0.27
(1,2801)	1:85:A:VAL:HG22	1:75:A:LYS:HE2	10	0.27
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	9	0.27
(1,2790)	1:85:A:VAL:HG11	1:71:A:LEU:HB3	9	0.27
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	6	0.27
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	13	0.27
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	4	0.27
(1,2782)	1:66:A:LEU:HD21	1:66:A:LEU:HD12	11	0.27
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD21	13	0.27
(1,2778)	1:130:A:LEU:HD11	1:109:A:LEU:HD23	24	0.27
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	17	0.27
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD12	19	0.27
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	15	0.27
(1,2708)	1:88:A:LEU:HD11	1:123:A:LEU:HD13	3	0.27
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	25	0.27
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	2	0.27
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	11	0.27
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	12	0.27
(1,2676)	1:92:A:GLN:HE21	1:67:A:PHE:HD1	21	0.27
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	19	0.27
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	5	0.27
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	19	0.27
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	1	0.27
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	8	0.27
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	13	0.27
(1,2584)	1:57:A:LYS:H	1:57:A:LYS:HE3	18	0.27
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	5	0.27
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	8	0.27
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	17	0.27
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	25	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	1	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	3	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	4	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	5	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	12	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	21	0.27
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	25	0.27
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	5	0.27
(1,2501)	1:134:A:LEU:HD13	1:134:A:LEU:H	7	0.27
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	18	0.27
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	10	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	1	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	2	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	6	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	8	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	10	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	13	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	14	0.27
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	23	0.27
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	3	0.27
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	15	0.27
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	17	0.27
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	22	0.27
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	7	0.27
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	12	0.27
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	13	0.27
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	18	0.27
(1,2021)	1:73:A:LEU:HD22	1:73:A:LEU:H	4	0.27
(1,2021)	1:73:A:LEU:HD22	1:73:A:LEU:H	8	0.27
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	13	0.27
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	17	0.27
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	10	0.27
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	2	0.27
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	21	0.27
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	2	0.27
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	9	0.27
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	10	0.27
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	3	0.27
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB1	11	0.27
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	2	0.27
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	11	0.27
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	12	0.27
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	16	0.27
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	6	0.27
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	17	0.27
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG2	7	0.27
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	1	0.27
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	24	0.27
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	13	0.27
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	4	0.27
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	13	0.27
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	21	0.27
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	23	0.27
(1,1758)	1:72:A:GLU:HA	1:76:A:MET:HE3	15	0.27
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	9	0.27
(1,1739)	1:66:A:LEU:HD23	1:69:A:GLU:HG2	5	0.27
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	17	0.27
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	21	0.27
(1,1647)	1:134:A:LEU:HD23	1:99:A:PHE:HZ	8	0.27
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	11	0.27
(1,1644)	1:134:A:LEU:HD21	1:105:A:PHE:HD1	16	0.27
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	19	0.27
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	22	0.27
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	19	0.27
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	22	0.27
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	24	0.27
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	22	0.27
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	2	0.27
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	12	0.27
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	15	0.27
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	21	0.27
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	16	0.27
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	20	0.27
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	25	0.27
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	6	0.27
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	8	0.27
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	10	0.27
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	25	0.27
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	23	0.27
(1,1407)	1:73:A:LEU:HD23	1:117:A:ARG:HA	9	0.27
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	12	0.27
(1,1405)	1:116:A:ALA:HB2	1:113:A:LEU:H	7	0.27
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	18	0.27
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	20	0.27
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	17	0.27
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	10	0.27
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	4	0.27
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD12	7	0.27
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	7	0.27
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD21	15	0.27
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD22	25	0.27
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	1	0.27
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	11	0.27
(1,1153)	1:98:A:LEU:HD22	1:99:A:PHE:H	14	0.27
(1,1153)	1:98:A:LEU:HD23	1:99:A:PHE:H	24	0.27
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	3	0.27
(1,1099)	1:92:A:GLN:HG2	1:105:A:PHE:HE2	25	0.27
(1,1095)	1:134:A:LEU:HD21	1:92:A:GLN:HB3	15	0.27
(1,1075)	1:91:A:ARG:HB2	1:91:A:ARG:HD2	1	0.27
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	18	0.27
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	12	0.27
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	16	0.27
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	3	0.27
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	21	0.27
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	22	0.27
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	25	0.27
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	24	0.27
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	13	0.27
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	5	0.27
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	1	0.27
(1,956)	1:85:A:VAL:HG13	1:86:A:PRO:HG3	3	0.27
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	5	0.27
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	6	0.27
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	14	0.27
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	16	0.27
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	21	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	22	0.27
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	9	0.27
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	14	0.27
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	16	0.27
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	25	0.27
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	4	0.27
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	21	0.27
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	11	0.27
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	15	0.27
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	2	0.27
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	4	0.27
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	6	0.27
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	9	0.27
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	12	0.27
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	20	0.27
(1,820)	1:71:A:LEU:HD23	1:75:A:LYS:HE2	21	0.27
(1,788)	1:73:A:LEU:HD22	1:77:A:GLN:HG3	5	0.27
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	1	0.27
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	13	0.27
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	18	0.27
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	19	0.27
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	22	0.27
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	1	0.27
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	9	0.27
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	8	0.27
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	16	0.27
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	17	0.27
(1,725)	1:66:A:LEU:HD23	1:69:A:GLU:HB3	21	0.27
(1,697)	1:66:A:LEU:HD22	1:113:A:LEU:HB2	24	0.27
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	14	0.27
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	23	0.27
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	25	0.27
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	7	0.27
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	22	0.27
(1,612)	1:60:A:LYS:HB2	1:61:A:LEU:H	25	0.27
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	4	0.27
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	9	0.27
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	16	0.27
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	1	0.27
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	22	0.27
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	8	0.27
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	16	0.27
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	9	0.27
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	23	0.27
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	8	0.27
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	9	0.27
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	10	0.27
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	12	0.27
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	15	0.27
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	24	0.27
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	4	0.27
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	12	0.27
(1,405)	1:113:A:LEU:HD21	1:70:A:PHE:HA	7	0.27
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	19	0.27
(1,405)	1:113:A:LEU:HD21	1:70:A:PHE:HA	22	0.27
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	17	0.27
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	23	0.27
(1,394)	1:127:A:ILE:HD13	1:127:A:ILE:HG13	25	0.27
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	24	0.27
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	2	0.27
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	13	0.27
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	23	0.27
(1,312)	1:117:A:ARG:HD2	1:117:A:ARG:HB3	15	0.27
(1,275)	1:133:A:VAL:HG13	1:130:A:LEU:HA	4	0.27
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG22	13	0.27
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	8	0.27
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	21	0.27
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD12	7	0.27
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD12	9	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	1	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	3	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	4	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	10	0.27
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	19	0.27
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG12	6	0.27
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG12	11	0.27
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG12	12	0.27
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	14	0.27
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG22	25	0.27
(1,61)	1:113:A:LEU:HD22	1:66:A:LEU:HD21	21	0.27
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD22	6	0.27
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	11	0.27
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	18	0.27
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD21	7	0.27
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	3	0.27
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	21	0.27
(1,3580)	1:70:A:PHE:HE1	1:71:A:LEU:HD22	6	0.26
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	17	0.26
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	10	0.26
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	17	0.26
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	20	0.26
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	24	0.26
(1,3553)	1:118:A:SER:H	1:117:A:ARG:HG3	3	0.26
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB2	23	0.26
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB2	24	0.26
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	12	0.26
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	14	0.26
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	17	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	1	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	8	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	9	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	10	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	22	0.26
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	25	0.26
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	5	0.26
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	7	0.26
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	10	0.26
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	14	0.26
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	20	0.26
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	3	0.26
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	11	0.26
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	15	0.26
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	19	0.26
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	22	0.26
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	8	0.26
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	17	0.26
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	6	0.26
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	7	0.26
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	17	0.26
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	19	0.26
(1,3301)	1:76:A:MET:H	1:85:A:VAL:HG23	19	0.26
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	15	0.26
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	1	0.26
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	21	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	17	0.26
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	8	0.26
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	12	0.26
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	14	0.26
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	14	0.26
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	24	0.26
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	3	0.26
(1,3229)	1:60:A:LYS:H	1:61:A:LEU:HD21	23	0.26
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	15	0.26
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	7	0.26
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	16	0.26
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	18	0.26
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	21	0.26
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	15	0.26
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	20	0.26
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	24	0.26
(1,3155)	1:113:A:LEU:HD22	1:69:A:GLU:HG3	9	0.26
(1,3143)	1:88:A:LEU:HD21	1:131:A:CYS:HA	22	0.26
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	2	0.26
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	15	0.26
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	7	0.26
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	3	0.26
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	6	0.26
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	7	0.26
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	21	0.26
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	4	0.26
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	10	0.26
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	14	0.26
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	21	0.26
(1,3068)	1:125:A:VAL:HG11	1:126:A:TYR:HB2	24	0.26
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	17	0.26
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	8	0.26
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	19	0.26
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	14	0.26
(1,3040)	1:116:A:ALA:HB3	1:112:A:VAL:HB	5	0.26
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	10	0.26
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	11	0.26
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	18	0.26
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	9	0.26
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	14	0.26
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	5	0.26
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	19	0.26
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	21	0.26
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	1	0.26
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	17	0.26
(1,2921)	1:133:A:VAL:HG21	1:108:A:ILE:HB	15	0.26
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	19	0.26
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	2	0.26
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	8	0.26
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	11	0.26
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	13	0.26
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	11	0.26
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	22	0.26
(1,2877)	1:71:A:LEU:HD12	1:88:A:LEU:HB2	9	0.26
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	10	0.26
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	17	0.26
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	20	0.26
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	6	0.26
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	10	0.26
(1,2850)	1:58:A:CYS:HA	1:101:A:ALA:HB1	2	0.26
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	18	0.26
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	24	0.26
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	13	0.26
(1,2795)	1:116:A:ALA:HB2	1:70:A:PHE:HD2	8	0.26
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	6	0.26
(1,2782)	1:113:A:LEU:HD13	1:66:A:LEU:HD21	6	0.26
(1,2781)	1:123:A:LEU:HD13	1:127:A:ILE:HG12	13	0.26
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	9	0.26
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD23	12	0.26
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	4	0.26
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	10	0.26
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	13	0.26
(1,2667)	1:130:A:LEU:HD21	1:70:A:PHE:HD1	20	0.26
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	4	0.26
(1,2606)	1:103:A:ALA:HB3	1:59:A:TYR:HE1	24	0.26
(1,2593)	1:126:A:TYR:HD2	1:126:A:TYR:HB3	21	0.26
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	14	0.26
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	8	0.26
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	14	0.26
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	21	0.26
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	21	0.26
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	6	0.26
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	3	0.26
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	12	0.26
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	25	0.26
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD21	16	0.26
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	5	0.26
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	5	0.26
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	6	0.26
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	15	0.26
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	24	0.26
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	25	0.26
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	5	0.26
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	17	0.26
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	7	0.26
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	8	0.26
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	14	0.26
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	21	0.26
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	25	0.26
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	1	0.26
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	2	0.26
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	9	0.26
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	17	0.26
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	11	0.26
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	12	0.26
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	15	0.26
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	20	0.26
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	2	0.26
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	6	0.26
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	20	0.26
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	11	0.26
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	16	0.26
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	17	0.26
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	22	0.26
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	25	0.26
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	13	0.26
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	18	0.26
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	6	0.26
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	20	0.26
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	14	0.26
(1,1881)	1:143:A:LEU:H	1:143:A:LEU:HD22	8	0.26
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	12	0.26
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	5	0.26
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	21	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	3	0.26
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	4	0.26
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	13	0.26
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	21	0.26
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	11	0.26
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	18	0.26
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	1	0.26
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	15	0.26
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	24	0.26
(1,1806)	1:139:A:ALA:HB3	1:96:A:HIS:H	24	0.26
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	5	0.26
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	15	0.26
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	10	0.26
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	11	0.26
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	16	0.26
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	17	0.26
(1,1739)	1:66:A:LEU:HD22	1:69:A:GLU:HG2	16	0.26
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	25	0.26
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	14	0.26
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	13	0.26
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	20	0.26
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	6	0.26
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	19	0.26
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	18	0.26
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	22	0.26
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	8	0.26
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	24	0.26
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	4	0.26
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	7	0.26
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	11	0.26
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	25	0.26
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	4	0.26
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	11	0.26
(1,1585)	1:130:A:LEU:HD12	1:105:A:PHE:HZ	13	0.26
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	14	0.26
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	18	0.26
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	19	0.26
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	21	0.26
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	22	0.26
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	16	0.26
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	15	0.26
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	16	0.26
(1,1507)	1:125:A:VAL:HG12	1:126:A:TYR:H	9	0.26
(1,1494)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	20	0.26
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	2	0.26
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	4	0.26
(1,1430)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	20	0.26
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	22	0.26
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	10	0.26
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	19	0.26
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	1	0.26
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	16	0.26
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	19	0.26
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	5	0.26
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	22	0.26
(1,1297)	1:108:A:ILE:HG23	1:99:A:PHE:HE2	9	0.26
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	3	0.26
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	5	0.26
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	20	0.26
(1,1153)	1:98:A:LEU:HD21	1:99:A:PHE:H	8	0.26
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	3	0.26
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	18	0.26
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	23	0.26
(1,1035)	1:89:A:TYR:HB2	1:90:A:ASN:HB3	25	0.26
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	12	0.26
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	2	0.26
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	8	0.26
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	9	0.26
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	10	0.26
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	13	0.26
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	17	0.26
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	25	0.26
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	5	0.26
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	7	0.26
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	9	0.26
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	16	0.26
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	14	0.26
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	8	0.26
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	23	0.26
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	18	0.26
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	24	0.26
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	10	0.26
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	22	0.26
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	23	0.26
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	24	0.26
(1,820)	1:71:A:LEU:HD22	1:75:A:LYS:HE2	3	0.26
(1,820)	1:71:A:LEU:HD23	1:75:A:LYS:HE2	10	0.26
(1,787)	1:73:A:LEU:HD21	1:74:A:CYS:HA	10	0.26
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	22	0.26
(1,765)	1:71:A:LEU:HD23	1:74:A:CYS:H	1	0.26
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	3	0.26
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	5	0.26
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	7	0.26
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	21	0.26
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	24	0.26
(1,725)	1:66:A:LEU:HD23	1:69:A:GLU:HB3	5	0.26
(1,701)	1:66:A:LEU:HD22	1:69:A:GLU:H	18	0.26
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	21	0.26
(1,689)	1:66:A:LEU:HD12	1:110:A:SER:HB2	19	0.26
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	22	0.26
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE3	19	0.26
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE3	25	0.26
(1,661)	1:65:A:LYS:HA	1:65:A:LYS:HD2	19	0.26
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	11	0.26
(1,608)	1:60:A:LYS:HB3	1:60:A:LYS:HG2	17	0.26
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	13	0.26
(1,566)	1:57:A:LYS:HD2	1:59:A:TYR:HE2	3	0.26
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	21	0.26
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	1	0.26
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	18	0.26
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	5	0.26
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	1	0.26
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	21	0.26
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	2	0.26
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	8	0.26
(1,428)	1:108:A:ILE:HD13	1:104:A:GLU:HG2	21	0.26
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	25	0.26
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	1	0.26
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	24	0.26
(1,402)	1:101:A:ALA:HB3	1:60:A:LYS:HA	4	0.26
(1,395)	1:127:A:ILE:HD11	1:123:A:LEU:HD11	18	0.26
(1,394)	1:127:A:ILE:HD11	1:127:A:ILE:HG13	24	0.26
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	18	0.26
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	12	0.26
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	20	0.26
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	21	0.26
(1,313)	1:91:A:ARG:HD3	1:91:A:ARG:HA	1	0.26
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	6	0.26
(1,275)	1:133:A:VAL:HG11	1:130:A:LEU:HA	22	0.26
(1,247)	1:84:A:VAL:HG23	1:84:A:VAL:HG12	7	0.26
(1,243)	1:84:A:VAL:HG21	1:81:A:HIS:HB2	8	0.26
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	1	0.26
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD12	2	0.26
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	4	0.26
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD13	11	0.26
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD13	14	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	2	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	5	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	7	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	12	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD23	14	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	20	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	22	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	24	0.26
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	25	0.26
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	2	0.26
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	4	0.26
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG12	8	0.26
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	16	0.26
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG23	5	0.26
(1,72)	1:123:A:LEU:HD22	1:73:A:LEU:HD23	3	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	1	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	2	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	3	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	4	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	5	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	6	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	7	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB1	8	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB1	9	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	10	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	11	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	12	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	13	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	15	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	16	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	17	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB1	18	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB1	19	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	20	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	21	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	22	0.26
(1,39)	1:121:A:ALA:HB1	1:121:A:ALA:HB3	23	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB3	24	0.26
(1,39)	1:121:A:ALA:HB2	1:121:A:ALA:HB1	25	0.26
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	1	0.26
(1,18)	1:98:A:LEU:HD13	1:98:A:LEU:HD23	7	0.26
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD23	12	0.26
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	20	0.26
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD22	21	0.26
(1,18)	1:98:A:LEU:HD13	1:98:A:LEU:HD22	24	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	1	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	2	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	4	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	5	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	6	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD11	7	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	8	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	9	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	10	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	11	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	12	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	13	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	14	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	15	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	16	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	17	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	18	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	19	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	20	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD11	22	0.26
(1,11)	1:71:A:LEU:HD12	1:71:A:LEU:HD13	23	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	24	0.26
(1,11)	1:71:A:LEU:HD11	1:71:A:LEU:HD13	25	0.26
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	16	0.25
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	22	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3566)	1:124:A:TYR:HB3	1:124:A:TYR:HD1	2	0.25
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	4	0.25
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD12	2	0.25
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	9	0.25
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD12	22	0.25
(1,3538)	1:138:A:SER:H	1:95:A:ALA:HB2	1	0.25
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	1	0.25
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	13	0.25
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	15	0.25
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	4	0.25
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	12	0.25
(1,3487)	1:125:A:VAL:HG23	1:126:A:TYR:H	16	0.25
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	21	0.25
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	15	0.25
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	5	0.25
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	6	0.25
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	18	0.25
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	2	0.25
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	4	0.25
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	18	0.25
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	16	0.25
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	4	0.25
(1,3344)	1:88:A:LEU:HD13	1:89:A:TYR:H	9	0.25
(1,3344)	1:88:A:LEU:HD23	1:89:A:TYR:H	11	0.25
(1,3344)	1:88:A:LEU:HD12	1:89:A:TYR:H	19	0.25
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	6	0.25
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	22	0.25
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	1	0.25
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	4	0.25
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	2	0.25
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	22	0.25
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD11	24	0.25
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	6	0.25
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	9	0.25
(1,3310)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	15	0.25
(1,3291)	1:85:A:VAL:HG23	1:74:A:CYS:H	13	0.25
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	9	0.25
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	12	0.25
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	20	0.25
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	3	0.25
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	6	0.25
(1,3265)	1:69:A:GLU:H	1:65:A:LYS:HE3	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	21	0.25
(1,3253)	1:64:A:GLU:H	1:66:A:LEU:HD11	21	0.25
(1,3219)	1:141:A:LYS:H	1:140:A:LYS:HG3	6	0.25
(1,3218)	1:140:A:LYS:HG2	1:140:A:LYS:H	1	0.25
(1,3218)	1:140:A:LYS:HG3	1:140:A:LYS:H	2	0.25
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	2	0.25
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	13	0.25
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	16	0.25
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	16	0.25
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	21	0.25
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	25	0.25
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	16	0.25
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	19	0.25
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	4	0.25
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB3	25	0.25
(1,3125)	1:134:A:LEU:HD22	1:91:A:ARG:HB3	20	0.25
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	7	0.25
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	11	0.25
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	1	0.25
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	16	0.25
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	23	0.25
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	16	0.25
(1,3075)	1:59:A:TYR:HA	1:59:A:TYR:HD2	7	0.25
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG22	9	0.25
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG21	13	0.25
(1,3066)	1:125:A:VAL:HA	1:122:A:LYS:HA	14	0.25
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	10	0.25
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD21	16	0.25
(1,3059)	1:123:A:LEU:HD23	1:124:A:TYR:HE1	5	0.25
(1,3046)	1:120:A:PRO:HA	1:116:A:ALA:HB1	24	0.25
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE2	12	0.25
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	1	0.25
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	2	0.25
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	9	0.25
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	12	0.25
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	17	0.25
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	12	0.25
(1,3024)	1:112:A:VAL:HG13	1:127:A:ILE:H	25	0.25
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	5	0.25
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	15	0.25
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	22	0.25
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	24	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	17	0.25
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	2	0.25
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	11	0.25
(1,2969)	1:95:A:ALA:HB2	1:137:A:HIS:HB2	23	0.25
(1,2963)	1:92:A:GLN:HG3	1:105:A:PHE:HE2	9	0.25
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	13	0.25
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	7	0.25
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	11	0.25
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	12	0.25
(1,2925)	1:85:A:VAL:HB	1:75:A:LYS:HG3	19	0.25
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	22	0.25
(1,2921)	1:133:A:VAL:HG21	1:108:A:ILE:HB	24	0.25
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	25	0.25
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	6	0.25
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	14	0.25
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	5	0.25
(1,2919)	1:133:A:VAL:HG21	1:108:A:ILE:HB	7	0.25
(1,2919)	1:133:A:VAL:HG21	1:108:A:ILE:HB	21	0.25
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	15	0.25
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	20	0.25
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	6	0.25
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	12	0.25
(1,2877)	1:71:A:LEU:HD11	1:88:A:LEU:HB2	15	0.25
(1,2877)	1:71:A:LEU:HD13	1:88:A:LEU:HB2	25	0.25
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	19	0.25
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	1	0.25
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	16	0.25
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	1	0.25
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	18	0.25
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	4	0.25
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	5	0.25
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	17	0.25
(1,2786)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	17	0.25
(1,2786)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	18	0.25
(1,2785)	1:112:A:VAL:HG13	1:130:A:LEU:H	24	0.25
(1,2782)	1:113:A:LEU:HD12	1:66:A:LEU:HD23	15	0.25
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	4	0.25
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	12	0.25
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	15	0.25
(1,2774)	1:85:A:VAL:HG21	1:74:A:CYS:HB3	18	0.25
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	11	0.25
(1,2737)	1:101:A:ALA:HB2	1:60:A:LYS:HD3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	3	0.25
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	12	0.25
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	14	0.25
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	6	0.25
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	2	0.25
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	16	0.25
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	2	0.25
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	13	0.25
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	6	0.25
(1,2661)	1:70:A:PHE:H	1:70:A:PHE:HD1	25	0.25
(1,2653)	1:80:A:ASP:HB2	1:81:A:HIS:HD2	5	0.25
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	25	0.25
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	4	0.25
(1,2576)	1:115:A:ARG:HB3	1:115:A:ARG:H	18	0.25
(1,2499)	1:134:A:LEU:H	1:91:A:ARG:HB2	1	0.25
(1,2499)	1:134:A:LEU:H	1:91:A:ARG:HB2	10	0.25
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	5	0.25
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	19	0.25
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	4	0.25
(1,2347)	1:109:A:LEU:HB3	1:109:A:LEU:H	16	0.25
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	1	0.25
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	11	0.25
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	4	0.25
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	12	0.25
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	23	0.25
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	2	0.25
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	21	0.25
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	11	0.25
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	19	0.25
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	24	0.25
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	11	0.25
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	14	0.25
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	20	0.25
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	14	0.25
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	1	0.25
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	4	0.25
(1,2006)	1:71:A:LEU:HD11	1:71:A:LEU:H	18	0.25
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	15	0.25
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	16	0.25
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	8	0.25
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	25	0.25
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	17	0.25
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	21	0.25
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	23	0.25
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	3	0.25
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	9	0.25
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	11	0.25
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB3	13	0.25
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	13	0.25
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	20	0.25
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	9	0.25
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	14	0.25
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	17	0.25
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	25	0.25
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	6	0.25
(1,1781)	1:98:A:LEU:HD22	1:98:A:LEU:H	18	0.25
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	1	0.25
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	12	0.25
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	14	0.25
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	17	0.25
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	20	0.25
(1,1759)	1:123:A:LEU:HD12	1:77:A:GLN:HG3	19	0.25
(1,1753)	1:93:A:GLN:HG2	1:90:A:ASN:HA	18	0.25
(1,1742)	1:129:A:GLU:HG2	1:126:A:TYR:HD1	7	0.25
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	8	0.25
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	13	0.25
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	12	0.25
(1,1661)	1:136:A:ALA:HB3	1:133:A:VAL:H	19	0.25
(1,1657)	1:135:A:LYS:HE2	1:135:A:LYS:H	15	0.25
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	25	0.25
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	20	0.25
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	10	0.25
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	12	0.25
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	19	0.25
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	21	0.25
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	18	0.25
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	8	0.25
(1,1585)	1:130:A:LEU:HD13	1:105:A:PHE:HZ	20	0.25
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	23	0.25
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	24	0.25
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG11	20	0.25
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	15	0.25
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	15	0.25
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	1	0.25
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	7	0.25
(1,1407)	1:73:A:LEU:HD23	1:117:A:ARG:HA	10	0.25
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	19	0.25
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	16	0.25
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	21	0.25
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	23	0.25
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	19	0.25
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	8	0.25
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	5	0.25
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	7	0.25
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	20	0.25
(1,1206)	1:101:A:ALA:HB3	1:98:A:LEU:HD22	14	0.25
(1,1200)	1:101:A:ALA:HA	1:60:A:LYS:HG3	10	0.25
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	2	0.25
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	17	0.25
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	21	0.25
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD11	15	0.25
(1,1114)	1:117:A:ARG:HD2	1:117:A:ARG:H	18	0.25
(1,1099)	1:92:A:GLN:HG2	1:105:A:PHE:HE2	9	0.25
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	6	0.25
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	14	0.25
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	24	0.25
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	11	0.25
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	14	0.25
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	15	0.25
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	2	0.25
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	5	0.25
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	8	0.25
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	3	0.25
(1,1048)	1:90:A:ASN:HB3	1:93:A:GLN:HB2	17	0.25
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	7	0.25
(1,956)	1:85:A:VAL:HG11	1:86:A:PRO:HG3	11	0.25
(1,956)	1:85:A:VAL:HG13	1:86:A:PRO:HG3	18	0.25
(1,956)	1:85:A:VAL:HG13	1:86:A:PRO:HG3	19	0.25
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	19	0.25
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	17	0.25
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	21	0.25
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	5	0.25
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	9	0.25
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG23	7	0.25
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	19	0.25
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	7	0.25
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	13	0.25
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	14	0.25
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	16	0.25
(1,788)	1:73:A:LEU:HD23	1:77:A:GLN:HG3	10	0.25
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	7	0.25
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	18	0.25
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	21	0.25
(1,776)	1:104:A:GLU:HG2	1:99:A:PHE:HE1	23	0.25
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	17	0.25
(1,716)	1:68:A:GLU:HG2	1:69:A:GLU:H	6	0.25
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	1	0.25
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	11	0.25
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	13	0.25
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE3	6	0.25
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	10	0.25
(1,612)	1:60:A:LYS:HB2	1:61:A:LEU:H	13	0.25
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	25	0.25
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	23	0.25
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	17	0.25
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	20	0.25
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	10	0.25
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	2	0.25
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	17	0.25
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	19	0.25
(1,402)	1:101:A:ALA:HB2	1:60:A:LYS:HA	11	0.25
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	2	0.25
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	25	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	5	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	6	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	14	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB2	16	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB3	18	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	24	0.25
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	25	0.25
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	1	0.25
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	5	0.25
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	8	0.25
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	9	0.25
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	15	0.25
(1,275)	1:133:A:VAL:HG12	1:130:A:LEU:HA	14	0.25
(1,255)	1:100:A:LEU:HD22	1:134:A:LEU:HD23	12	0.25
(1,243)	1:84:A:VAL:HG21	1:81:A:HIS:HB2	13	0.25
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD11	18	0.25
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	20	0.25
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	8	0.25
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD22	18	0.25
(1,225)	1:109:A:LEU:HG	1:109:A:LEU:HD21	21	0.25
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG23	7	0.25
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG23	8	0.25
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD22	4	0.25
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	5	0.25
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	14	0.25
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD22	22	0.25
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD22	13	0.25
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD23	25	0.25
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	24	0.24
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	23	0.24
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	9	0.24
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD12	17	0.24
(1,3538)	1:138:A:SER:H	1:141:A:LYS:HG3	5	0.24
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	19	0.24
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	23	0.24
(1,3507)	1:128:A:ASN:HB2	1:130:A:LEU:H	22	0.24
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	8	0.24
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	19	0.24
(1,3487)	1:125:A:VAL:HG13	1:126:A:TYR:H	2	0.24
(1,3487)	1:125:A:VAL:HG13	1:126:A:TYR:H	11	0.24
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	13	0.24
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	14	0.24
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	22	0.24
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	3	0.24
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	20	0.24
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	2	0.24
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	12	0.24
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	13	0.24
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	24	0.24
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	1	0.24
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	3	0.24
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	9	0.24
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	20	0.24
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	20	0.24
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	7	0.24
(1,3344)	1:88:A:LEU:HD12	1:89:A:TYR:H	1	0.24
(1,3344)	1:88:A:LEU:HD21	1:89:A:TYR:H	5	0.24
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	13	0.24
(1,3344)	1:88:A:LEU:HD23	1:89:A:TYR:H	14	0.24
(1,3333)	1:84:A:VAL:HG11	1:87:A:PHE:H	14	0.24
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	25	0.24
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	2	0.24
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	13	0.24
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	6	0.24
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	12	0.24
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD12	5	0.24
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD12	11	0.24
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD12	14	0.24
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	2	0.24
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	4	0.24
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	22	0.24
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	24	0.24
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	4	0.24
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	9	0.24
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	24	0.24
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	15	0.24
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	25	0.24
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	2	0.24
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	6	0.24
(1,3206)	1:109:A:LEU:HD11	1:66:A:LEU:H	13	0.24
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	16	0.24
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	4	0.24
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	23	0.24
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	6	0.24
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	2	0.24
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	7	0.24
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	13	0.24
(1,3158)	1:125:A:VAL:HG13	1:129:A:GLU:HG3	5	0.24
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	21	0.24
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	18	0.24
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	2	0.24
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	14	0.24
(1,3138)	1:141:A:LYS:HG3	1:138:A:SER:HB2	23	0.24
(1,3116)	1:132:A:THR:HB	1:130:A:LEU:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	1	0.24
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	5	0.24
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	22	0.24
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	25	0.24
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD13	15	0.24
(1,3075)	1:59:A:TYR:HA	1:59:A:TYR:HD2	8	0.24
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	1	0.24
(1,3068)	1:125:A:VAL:HG11	1:126:A:TYR:HB2	15	0.24
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD21	15	0.24
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE2	18	0.24
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE2	21	0.24
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	4	0.24
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	5	0.24
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG21	3	0.24
(1,3016)	1:71:A:LEU:HD22	1:85:A:VAL:H	2	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	1	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	3	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	7	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	11	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	17	0.24
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	25	0.24
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	5	0.24
(1,2989)	1:100:A:LEU:HD21	1:63:A:ASN:HB3	22	0.24
(1,2975)	1:113:A:LEU:HD23	1:69:A:GLU:H	9	0.24
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	11	0.24
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	22	0.24
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	6	0.24
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	16	0.24
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	8	0.24
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	11	0.24
(1,2920)	1:133:A:VAL:HG21	1:108:A:ILE:HB	15	0.24
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	19	0.24
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	9	0.24
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	10	0.24
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	18	0.24
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	5	0.24
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	1	0.24
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	18	0.24
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	25	0.24
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	4	0.24
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	14	0.24
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	6	0.24
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	19	0.24
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	7	0.24
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	10	0.24
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	10	0.24
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	5	0.24
(1,2800)	1:60:A:LYS:HD2	1:60:A:LYS:HE3	17	0.24
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	21	0.24
(1,2790)	1:85:A:VAL:HG13	1:71:A:LEU:HB3	11	0.24
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	1	0.24
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	25	0.24
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	19	0.24
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD11	22	0.24
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD22	9	0.24
(1,2778)	1:130:A:LEU:HD12	1:109:A:LEU:HD21	11	0.24
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD21	6	0.24
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	19	0.24
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	23	0.24
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	8	0.24
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	23	0.24
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	7	0.24
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	13	0.24
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	24	0.24
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	8	0.24
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	9	0.24
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	20	0.24
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	4	0.24
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	1	0.24
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	3	0.24
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	4	0.24
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	6	0.24
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	21	0.24
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB2	5	0.24
(1,2606)	1:103:A:ALA:HB1	1:59:A:TYR:HE1	23	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	3	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	6	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	10	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	11	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	13	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	14	0.24
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	25	0.24
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	11	0.24
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	15	0.24
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	22	0.24
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	3	0.24
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	13	0.24
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	6	0.24
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	8	0.24
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	10	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	1	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	4	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	9	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	19	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	20	0.24
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	23	0.24
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	10	0.24
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	3	0.24
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	4	0.24
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	23	0.24
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	5	0.24
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	24	0.24
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	16	0.24
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	14	0.24
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	17	0.24
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	24	0.24
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	1	0.24
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	4	0.24
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	8	0.24
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	2	0.24
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	4	0.24
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	11	0.24
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	13	0.24
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	14	0.24
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	16	0.24
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	7	0.24
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	8	0.24
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	14	0.24
(1,1856)	1:110:A:SER:H	1:111:A:ARG:HB2	20	0.24
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	15	0.24
(1,1830)	1:85:A:VAL:HG23	1:74:A:CYS:H	20	0.24
(1,1826)	1:61:A:LEU:HD22	1:61:A:LEU:H	10	0.24
(1,1826)	1:61:A:LEU:HD23	1:61:A:LEU:H	18	0.24
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	25	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	8	0.24
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	16	0.24
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	1	0.24
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	11	0.24
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	19	0.24
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	24	0.24
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	6	0.24
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	2	0.24
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	7	0.24
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	9	0.24
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	12	0.24
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	13	0.24
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	2	0.24
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	21	0.24
(1,1662)	1:136:A:ALA:HB1	1:137:A:HIS:HD2	10	0.24
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	3	0.24
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	23	0.24
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	6	0.24
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	10	0.24
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	15	0.24
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	17	0.24
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	18	0.24
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	2	0.24
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	1	0.24
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	7	0.24
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	2	0.24
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	6	0.24
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	21	0.24
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	5	0.24
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG12	22	0.24
(1,1518)	1:125:A:VAL:HG21	1:126:A:TYR:H	7	0.24
(1,1518)	1:125:A:VAL:HG23	1:126:A:TYR:H	18	0.24
(1,1515)	1:125:A:VAL:HG12	1:122:A:LYS:HD3	16	0.24
(1,1484)	1:123:A:LEU:HD21	1:124:A:TYR:HD1	17	0.24
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	17	0.24
(1,1469)	1:122:A:LYS:HG2	1:119:A:ARG:HB3	18	0.24
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	22	0.24
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	21	0.24
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD13	19	0.24
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	3	0.24
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	5	0.24
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	3	0.24
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	7	0.24
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	2	0.24
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	16	0.24
(1,1334)	1:110:A:SER:HB2	1:109:A:LEU:HB2	22	0.24
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD13	15	0.24
(1,1306)	1:108:A:ILE:HD11	1:107:A:ASN:HB2	18	0.24
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD13	24	0.24
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	24	0.24
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	18	0.24
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD12	17	0.24
(1,1122)	1:134:A:LEU:HA	1:95:A:ALA:HB2	23	0.24
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD23	8	0.24
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	4	0.24
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	6	0.24
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	7	0.24
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	25	0.24
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	3	0.24
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	16	0.24
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	11	0.24
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	17	0.24
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	5	0.24
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	19	0.24
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	1	0.24
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	4	0.24
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	11	0.24
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	15	0.24
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	23	0.24
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	1	0.24
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	8	0.24
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	11	0.24
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	7	0.24
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	16	0.24
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	20	0.24
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	11	0.24
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	11	0.24
(1,765)	1:71:A:LEU:HD23	1:74:A:CYS:H	20	0.24
(1,762)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	21	0.24
(1,760)	1:71:A:LEU:HD11	1:68:A:GLU:HA	18	0.24
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	21	0.24
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	22	0.24
(1,725)	1:66:A:LEU:HD23	1:69:A:GLU:HB3	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG13	18	0.24
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	5	0.24
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB3	21	0.24
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	7	0.24
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	10	0.24
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE3	12	0.24
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	3	0.24
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	13	0.24
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	15	0.24
(1,564)	1:57:A:LYS:HG2	1:59:A:TYR:HE2	12	0.24
(1,550)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	16	0.24
(1,550)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	23	0.24
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	6	0.24
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	22	0.24
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	11	0.24
(1,440)	1:72:A:GLU:HG3	1:72:A:GLU:HB2	23	0.24
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	11	0.24
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	15	0.24
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	24	0.24
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	17	0.24
(1,402)	1:101:A:ALA:HB1	1:60:A:LYS:HA	1	0.24
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	10	0.24
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	16	0.24
(1,376)	1:118:A:SER:HB3	1:118:A:SER:HA	2	0.24
(1,354)	1:136:A:ALA:HA	1:136:A:ALA:HB1	15	0.24
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	4	0.24
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	20	0.24
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	23	0.24
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	24	0.24
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	3	0.24
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD12	15	0.24
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD11	17	0.24
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG11	19	0.24
(1,211)	1:85:A:VAL:HG21	1:85:A:VAL:HG12	22	0.24
(1,211)	1:85:A:VAL:HG23	1:85:A:VAL:HG13	25	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	1	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	3	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	4	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	5	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	6	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	8	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	12	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	19	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	21	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	23	0.24
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	24	0.24
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG21	1	0.24
(1,51)	1:88:A:LEU:HD23	1:71:A:LEU:HD23	18	0.24
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD22	3	0.24
(1,18)	1:98:A:LEU:HD11	1:98:A:LEU:HD23	10	0.24
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD21	21	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	1	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	2	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD23	3	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	5	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	6	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD23	7	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	8	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD21	9	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	10	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	12	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	13	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	14	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD23	15	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	16	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	17	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD21	19	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	21	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD23	22	0.24
(1,12)	1:113:A:LEU:HD22	1:113:A:LEU:HD21	23	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	24	0.24
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	25	0.24
(1,3580)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	14	0.23
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	23	0.23
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	11	0.23
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	15	0.23
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	21	0.23
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	6	0.23
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	13	0.23
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	23	0.23
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD11	20	0.23
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	11	0.23
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	17	0.23
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	1	0.23
(1,3487)	1:125:A:VAL:HG13	1:126:A:TYR:H	17	0.23
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	25	0.23
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	9	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	2	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	6	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	8	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	11	0.23
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	19	0.23
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG21	6	0.23
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	1	0.23
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	11	0.23
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	3	0.23
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	4	0.23
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	11	0.23
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	16	0.23
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	19	0.23
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	9	0.23
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	13	0.23
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	10	0.23
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	16	0.23
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD13	13	0.23
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	23	0.23
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG21	16	0.23
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	5	0.23
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	6	0.23
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	8	0.23
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	24	0.23
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	2	0.23
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	14	0.23
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	6	0.23
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	3	0.23
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	5	0.23
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	11	0.23
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	25	0.23
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	18	0.23
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	7	0.23
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	7	0.23
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	18	0.23
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	25	0.23
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3155)	1:113:A:LEU:HD21	1:69:A:GLU:HG3	14	0.23
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	7	0.23
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	6	0.23
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	13	0.23
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	18	0.23
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	14	0.23
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	18	0.23
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	15	0.23
(1,3051)	1:120:A:PRO:HD3	1:117:A:ARG:HG3	9	0.23
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	21	0.23
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	24	0.23
(1,3024)	1:112:A:VAL:HG11	1:127:A:ILE:H	4	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	4	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	10	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	12	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	13	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	16	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	18	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	19	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	20	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	21	0.23
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	23	0.23
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	17	0.23
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	16	0.23
(1,2994)	1:101:A:ALA:HB1	1:59:A:TYR:H	9	0.23
(1,2994)	1:101:A:ALA:HB1	1:59:A:TYR:H	17	0.23
(1,2989)	1:100:A:LEU:HD21	1:63:A:ASN:HB3	6	0.23
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	1	0.23
(1,2975)	1:113:A:LEU:HD22	1:69:A:GLU:H	13	0.23
(1,2966)	1:94:A:ARG:HD2	1:90:A:ASN:HA	25	0.23
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	4	0.23
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	11	0.23
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	18	0.23
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	5	0.23
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	16	0.23
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	21	0.23
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	5	0.23
(1,2921)	1:133:A:VAL:HG21	1:108:A:ILE:HB	7	0.23
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	13	0.23
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	22	0.23
(1,2920)	1:133:A:VAL:HG21	1:108:A:ILE:HB	24	0.23
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	25	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	1	0.23
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	12	0.23
(1,2919)	1:133:A:VAL:HG23	1:108:A:ILE:HB	23	0.23
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	10	0.23
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	2	0.23
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	14	0.23
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	16	0.23
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	11	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	1	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	3	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	4	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	5	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	6	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	7	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	10	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	11	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	14	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	22	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	23	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	24	0.23
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	25	0.23
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	11	0.23
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	14	0.23
(1,2809)	1:112:A:VAL:HG13	1:108:A:ILE:HG21	9	0.23
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	10	0.23
(1,2785)	1:112:A:VAL:HG12	1:130:A:LEU:H	20	0.23
(1,2785)	1:112:A:VAL:HG11	1:130:A:LEU:H	21	0.23
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD11	17	0.23
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD13	25	0.23
(1,2768)	1:113:A:LEU:HD12	1:66:A:LEU:HD23	15	0.23
(1,2767)	1:113:A:LEU:HD13	1:113:A:LEU:HB2	14	0.23
(1,2767)	1:113:A:LEU:HD21	1:113:A:LEU:HB3	25	0.23
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	1	0.23
(1,2748)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	7	0.23
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	5	0.23
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	11	0.23
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	17	0.23
(1,2695)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	17	0.23
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	1	0.23
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	6	0.23
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	11	0.23
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	24	0.23
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	1	0.23
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	6	0.23
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	16	0.23
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	21	0.23
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	22	0.23
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	18	0.23
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	20	0.23
(1,2627)	1:105:A:PHE:HD1	1:99:A:PHE:HE2	23	0.23
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	3	0.23
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	11	0.23
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	12	0.23
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	20	0.23
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	22	0.23
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB3	9	0.23
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	2	0.23
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	4	0.23
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	5	0.23
(1,2593)	1:126:A:TYR:HD2	1:126:A:TYR:HB3	12	0.23
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	15	0.23
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	17	0.23
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	10	0.23
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD13	1	0.23
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	13	0.23
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	14	0.23
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	12	0.23
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	13	0.23
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	19	0.23
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD21	22	0.23
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	6	0.23
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	14	0.23
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	16	0.23
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	20	0.23
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	24	0.23
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	21	0.23
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	16	0.23
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	3	0.23
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	8	0.23
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	1	0.23
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	2	0.23
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	9	0.23
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	21	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	11	0.23
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	22	0.23
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	4	0.23
(1,2021)	1:73:A:LEU:HD21	1:73:A:LEU:H	10	0.23
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	3	0.23
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	12	0.23
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	13	0.23
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	15	0.23
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	13	0.23
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	7	0.23
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	20	0.23
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	1	0.23
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	19	0.23
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	6	0.23
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	10	0.23
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG21	14	0.23
(1,1875)	1:135:A:LYS:H	1:135:A:LYS:HD3	16	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	1	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	18	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	21	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	22	0.23
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	24	0.23
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB2	2	0.23
(1,1868)	1:118:A:SER:H	1:116:A:ALA:HB3	9	0.23
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	20	0.23
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	7	0.23
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	15	0.23
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD22	9	0.23
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	7	0.23
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	6	0.23
(1,1806)	1:139:A:ALA:HB1	1:96:A:HIS:H	5	0.23
(1,1806)	1:139:A:ALA:HB2	1:96:A:HIS:H	15	0.23
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	7	0.23
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	16	0.23
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	21	0.23
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	23	0.23
(1,1788)	1:135:A:LYS:HG2	1:135:A:LYS:H	9	0.23
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	4	0.23
(1,1781)	1:98:A:LEU:HD22	1:98:A:LEU:H	19	0.23
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	6	0.23
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	19	0.23
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	25	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG11	15	0.23
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	1	0.23
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	23	0.23
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	17	0.23
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	14	0.23
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	15	0.23
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	1	0.23
(1,1662)	1:136:A:ALA:HB1	1:137:A:HIS:HD2	11	0.23
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	13	0.23
(1,1662)	1:136:A:ALA:HB3	1:137:A:HIS:HD2	22	0.23
(1,1662)	1:136:A:ALA:HB3	1:137:A:HIS:HD2	23	0.23
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	15	0.23
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	20	0.23
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	2	0.23
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	15	0.23
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	18	0.23
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	5	0.23
(1,1588)	1:130:A:LEU:HD22	1:131:A:CYS:H	8	0.23
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	2	0.23
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	11	0.23
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	13	0.23
(1,1551)	1:127:A:ILE:HG22	1:130:A:LEU:H	15	0.23
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	1	0.23
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	22	0.23
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	1	0.23
(1,1509)	1:125:A:VAL:HG13	1:126:A:TYR:HE1	7	0.23
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	3	0.23
(1,1473)	1:122:A:LYS:HD2	1:126:A:TYR:HE1	24	0.23
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	17	0.23
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	7	0.23
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	7	0.23
(1,1454)	1:122:A:LYS:HA	1:122:A:LYS:HG3	24	0.23
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	10	0.23
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	2	0.23
(1,1407)	1:73:A:LEU:HD21	1:117:A:ARG:HA	6	0.23
(1,1403)	1:116:A:ALA:HA	1:123:A:LEU:HD12	25	0.23
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	5	0.23
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	12	0.23
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	25	0.23
(1,1343)	1:111:A:ARG:HD2	1:111:A:ARG:HB2	22	0.23
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	11	0.23
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD13	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	10	0.23
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	16	0.23
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	21	0.23
(1,1297)	1:108:A:ILE:HG23	1:99:A:PHE:HE2	18	0.23
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	6	0.23
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	16	0.23
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	17	0.23
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD21	23	0.23
(1,1200)	1:101:A:ALA:HA	1:60:A:LYS:HG3	16	0.23
(1,1181)	1:100:A:LEU:HD13	1:100:A:LEU:H	19	0.23
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	20	0.23
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	24	0.23
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	9	0.23
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	3	0.23
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	20	0.23
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	21	0.23
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	22	0.23
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	24	0.23
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	3	0.23
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	12	0.23
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	6	0.23
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	13	0.23
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	18	0.23
(1,835)	1:77:A:GLN:HB3	1:77:A:GLN:H	21	0.23
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	2	0.23
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	6	0.23
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	11	0.23
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	12	0.23
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	2	0.23
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	2	0.23
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	19	0.23
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	8	0.23
(1,760)	1:71:A:LEU:HD11	1:68:A:GLU:HA	23	0.23
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	5	0.23
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	8	0.23
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	21	0.23
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE2	9	0.23
(1,661)	1:65:A:LYS:HA	1:65:A:LYS:HD2	25	0.23
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	5	0.23
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	25	0.23
(1,551)	1:117:A:ARG:HA	1:117:A:ARG:HG3	8	0.23
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	8	0.23
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	22	0.23
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	3	0.23
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG23	16	0.23
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	8	0.23
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	14	0.23
(1,402)	1:101:A:ALA:HB3	1:60:A:LYS:HA	2	0.23
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	5	0.23
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	17	0.23
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	23	0.23
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	2	0.23
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	12	0.23
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	14	0.23
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	16	0.23
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	19	0.23
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	21	0.23
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	25	0.23
(1,255)	1:100:A:LEU:HD23	1:134:A:LEU:HD22	4	0.23
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG12	10	0.23
(1,243)	1:84:A:VAL:HG22	1:81:A:HIS:HB2	24	0.23
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD21	1	0.23
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD22	11	0.23
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD22	23	0.23
(1,235)	1:123:A:LEU:HD21	1:123:A:LEU:HD12	8	0.23
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD13	12	0.23
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD12	19	0.23
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD13	21	0.23
(1,235)	1:123:A:LEU:HD22	1:123:A:LEU:HD13	22	0.23
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD12	23	0.23
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG13	9	0.23
(1,211)	1:85:A:VAL:HG22	1:85:A:VAL:HG12	15	0.23
(1,161)	1:123:A:LEU:HD22	1:77:A:GLN:HB3	3	0.23
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	15	0.23
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	17	0.23
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	20	0.23
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG22	12	0.23
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG21	24	0.23
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB2	14	0.23
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	22	0.23
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	25	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	1	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	3	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	4	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	5	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	6	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	7	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	8	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	9	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	10	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	11	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	12	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	13	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	14	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	15	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	16	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	17	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	18	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	19	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG13	20	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	21	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	22	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	23	0.23
(1,34)	1:125:A:VAL:HG11	1:125:A:VAL:HG13	24	0.23
(1,34)	1:125:A:VAL:HG12	1:125:A:VAL:HG11	25	0.23
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD23	23	0.23
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	25	0.23
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	4	0.23
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	11	0.23
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	18	0.23
(1,12)	1:113:A:LEU:HD21	1:113:A:LEU:HD23	20	0.23
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	13	0.22
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	5	0.22
(1,3567)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	8	0.22
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	9	0.22
(1,3567)	1:127:A:ILE:HG22	1:124:A:TYR:HD1	12	0.22
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	3	0.22
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	2	0.22
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	19	0.22
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	17	0.22
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD12	25	0.22
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	10	0.22
(1,3487)	1:125:A:VAL:HG13	1:126:A:TYR:H	4	0.22
(1,3487)	1:125:A:VAL:HG11	1:126:A:TYR:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	23	0.22
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	6	0.22
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	4	0.22
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	10	0.22
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	17	0.22
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	21	0.22
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	23	0.22
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	13	0.22
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	24	0.22
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	25	0.22
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	5	0.22
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	11	0.22
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	25	0.22
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	2	0.22
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	18	0.22
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	20	0.22
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	1	0.22
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	3	0.22
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	4	0.22
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	25	0.22
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD11	9	0.22
(1,3291)	1:85:A:VAL:HG23	1:74:A:CYS:H	24	0.22
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	20	0.22
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	18	0.22
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	2	0.22
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	10	0.22
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	16	0.22
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	4	0.22
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	7	0.22
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	11	0.22
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	12	0.22
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD12	13	0.22
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD12	25	0.22
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	21	0.22
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	19	0.22
(1,3240)	1:63:A:ASN:H	1:61:A:LEU:HB2	6	0.22
(1,3240)	1:63:A:ASN:H	1:60:A:LYS:HD2	25	0.22
(1,3236)	1:62:A:GLU:H	1:61:A:LEU:HD22	23	0.22
(1,3212)	1:128:A:ASN:H	1:127:A:ILE:HG13	7	0.22
(1,3204)	1:95:A:ALA:H	1:94:A:ARG:HB3	23	0.22
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	11	0.22
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3189)	1:66:A:LEU:H	1:65:A:LYS:HD2	5	0.22
(1,3184)	1:58:A:CYS:H	1:56:A:LYS:HG2	14	0.22
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	19	0.22
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	9	0.22
(1,3166)	1:126:A:TYR:HB3	1:129:A:GLU:H	10	0.22
(1,3162)	1:73:A:LEU:HD23	1:117:A:ARG:HA	17	0.22
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	23	0.22
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	23	0.22
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	18	0.22
(1,3151)	1:116:A:ALA:HB1	1:123:A:LEU:HD11	13	0.22
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	14	0.22
(1,3127)	1:142:A:LYS:HG2	1:142:A:LYS:HA	8	0.22
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	24	0.22
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	20	0.22
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	11	0.22
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	1	0.22
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	19	0.22
(1,3068)	1:125:A:VAL:HG11	1:126:A:TYR:HB2	20	0.22
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD23	21	0.22
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	11	0.22
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	14	0.22
(1,3040)	1:116:A:ALA:HB1	1:112:A:VAL:HB	21	0.22
(1,3040)	1:116:A:ALA:HB3	1:123:A:LEU:HB2	25	0.22
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	6	0.22
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	14	0.22
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	25	0.22
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG22	9	0.22
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG22	14	0.22
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG23	21	0.22
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	9	0.22
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	16	0.22
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	2	0.22
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	8	0.22
(1,2995)	1:58:A:CYS:HA	1:101:A:ALA:HB1	2	0.22
(1,2989)	1:100:A:LEU:HD22	1:63:A:ASN:HB3	21	0.22
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	16	0.22
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	18	0.22
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	1	0.22
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	14	0.22
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	23	0.22
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	25	0.22
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	14	0.22
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	17	0.22
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	22	0.22
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	25	0.22
(1,2947)	1:89:A:TYR:HA	1:92:A:GLN:HG3	7	0.22
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD12	6	0.22
(1,2925)	1:85:A:VAL:HB	1:75:A:LYS:HG3	20	0.22
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	13	0.22
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	17	0.22
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	24	0.22
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	25	0.22
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	18	0.22
(1,2921)	1:133:A:VAL:HG21	1:108:A:ILE:HB	21	0.22
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	8	0.22
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	11	0.22
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	4	0.22
(1,2903)	1:79:A:ALA:HB3	1:77:A:GLN:HA	17	0.22
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	2	0.22
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	5	0.22
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	14	0.22
(1,2890)	1:73:A:LEU:HD23	1:116:A:ALA:H	16	0.22
(1,2879)	1:71:A:LEU:HD22	1:74:A:CYS:HB2	21	0.22
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	15	0.22
(1,2862)	1:66:A:LEU:HD13	1:62:A:GLU:HB2	3	0.22
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	6	0.22
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	17	0.22
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	21	0.22
(1,2853)	1:61:A:LEU:HD21	1:61:A:LEU:H	23	0.22
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	3	0.22
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	8	0.22
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	12	0.22
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	16	0.22
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HB2	20	0.22
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	13	0.22
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	21	0.22
(1,2800)	1:141:A:LYS:HD2	1:141:A:LYS:HE3	2	0.22
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD12	8	0.22
(1,2782)	1:66:A:LEU:HD22	1:66:A:LEU:HD12	20	0.22
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	24	0.22
(1,2762)	1:73:A:LEU:HD22	1:70:A:PHE:HA	17	0.22
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	25	0.22
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	2	0.22
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	20	0.22
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	21	0.22
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	22	0.22
(1,2685)	1:84:A:VAL:HG11	1:124:A:TYR:HE1	11	0.22
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	1	0.22
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	14	0.22
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	6	0.22
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	4	0.22
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	7	0.22
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	11	0.22
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	14	0.22
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	24	0.22
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	9	0.22
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	15	0.22
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	16	0.22
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	1	0.22
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	17	0.22
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	5	0.22
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	8	0.22
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	9	0.22
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	14	0.22
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	17	0.22
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	19	0.22
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	8	0.22
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	1	0.22
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	8	0.22
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	16	0.22
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	24	0.22
(1,2550)	1:144:A:ASN:H	1:142:A:LYS:HG2	13	0.22
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	8	0.22
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	17	0.22
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	22	0.22
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	22	0.22
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	13	0.22
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	22	0.22
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	7	0.22
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	23	0.22
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	15	0.22
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	19	0.22
(1,2310)	1:106:A:CYS:H	1:59:A:TYR:HB3	22	0.22
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	6	0.22
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	20	0.22
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	21	0.22
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	7	0.22
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	7	0.22
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	10	0.22
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	11	0.22
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	12	0.22
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	2	0.22
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	4	0.22
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	7	0.22
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	10	0.22
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	24	0.22
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	15	0.22
(1,2039)	1:73:A:LEU:HD22	1:76:A:MET:H	8	0.22
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	2	0.22
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	5	0.22
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	7	0.22
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	23	0.22
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	16	0.22
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	21	0.22
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	24	0.22
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	18	0.22
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	22	0.22
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	22	0.22
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	25	0.22
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	8	0.22
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	14	0.22
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	18	0.22
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	19	0.22
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD22	3	0.22
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	19	0.22
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB2	25	0.22
(1,1806)	1:139:A:ALA:HB1	1:96:A:HIS:H	10	0.22
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	6	0.22
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	8	0.22
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	12	0.22
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	18	0.22
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	20	0.22
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	5	0.22
(1,1742)	1:129:A:GLU:HG2	1:126:A:TYR:HD1	6	0.22
(1,1742)	1:129:A:GLU:HG2	1:126:A:TYR:HD1	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	23	0.22
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	19	0.22
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	3	0.22
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	6	0.22
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	15	0.22
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	3	0.22
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	16	0.22
(1,1662)	1:136:A:ALA:HB3	1:137:A:HIS:HD2	24	0.22
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	11	0.22
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	7	0.22
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	1	0.22
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	16	0.22
(1,1585)	1:130:A:LEU:HD11	1:105:A:PHE:HZ	25	0.22
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	14	0.22
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	6	0.22
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	13	0.22
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	10	0.22
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	14	0.22
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	23	0.22
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	4	0.22
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	21	0.22
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	13	0.22
(1,1407)	1:73:A:LEU:HD23	1:117:A:ARG:HA	16	0.22
(1,1390)	1:115:A:ARG:HD2	1:126:A:TYR:HE1	9	0.22
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	7	0.22
(1,1373)	1:113:A:LEU:HG	1:117:A:ARG:HD2	11	0.22
(1,1343)	1:111:A:ARG:HB2	1:111:A:ARG:HD3	9	0.22
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	24	0.22
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	21	0.22
(1,1335)	1:110:A:SER:HB2	1:111:A:ARG:HB2	23	0.22
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	5	0.22
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD13	17	0.22
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	3	0.22
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	8	0.22
(1,1263)	1:106:A:CYS:HB2	1:59:A:TYR:HB3	13	0.22
(1,1223)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	17	0.22
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	1	0.22
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	5	0.22
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	21	0.22
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD22	4	0.22
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	5	0.22
(1,1182)	1:100:A:LEU:HD12	1:92:A:GLN:HE22	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:98:A:LEU:HD22	1:96:A:HIS:HE1	22	0.22
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD11	16	0.22
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD12	25	0.22
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	14	0.22
(1,1114)	1:117:A:ARG:HD2	1:117:A:ARG:H	4	0.22
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD23	1	0.22
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD22	22	0.22
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	16	0.22
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	12	0.22
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	7	0.22
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	8	0.22
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	9	0.22
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	6	0.22
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	10	0.22
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	14	0.22
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	1	0.22
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	4	0.22
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	7	0.22
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	13	0.22
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	18	0.22
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	22	0.22
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	24	0.22
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	6	0.22
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG12	9	0.22
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	21	0.22
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	12	0.22
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	14	0.22
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	15	0.22
(1,762)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	1	0.22
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	1	0.22
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	20	0.22
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	25	0.22
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	14	0.22
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	12	0.22
(1,689)	1:66:A:LEU:HD12	1:110:A:SER:HB2	8	0.22
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	10	0.22
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	2	0.22
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	25	0.22
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	20	0.22
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE1	10	0.22
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	12	0.22
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	21	0.22
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	23	0.22
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	1	0.22
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	5	0.22
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	2	0.22
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	4	0.22
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	9	0.22
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	20	0.22
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	1	0.22
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	6	0.22
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	14	0.22
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	18	0.22
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	8	0.22
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	11	0.22
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	21	0.22
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	22	0.22
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	16	0.22
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	17	0.22
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	18	0.22
(1,277)	1:84:A:VAL:HG12	1:84:A:VAL:HA	22	0.22
(1,254)	1:130:A:LEU:HD11	1:133:A:VAL:HG23	9	0.22
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG11	18	0.22
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	2	0.22
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	4	0.22
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD22	10	0.22
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD21	14	0.22
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD23	21	0.22
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD12	25	0.22
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	2	0.22
(1,101)	1:116:A:ALA:HB2	1:112:A:VAL:HG21	11	0.22
(1,61)	1:113:A:LEU:HD21	1:66:A:LEU:HD22	8	0.22
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	17	0.22
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG23	2	0.22
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG23	7	0.22
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	10	0.22
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	13	0.22
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	18	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	1	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG21	2	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	3	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	4	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	6	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG21	7	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	8	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	9	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	10	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	11	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	12	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	13	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	14	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	15	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	16	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	17	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG21	18	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG21	19	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	20	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG21	21	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	22	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	23	0.22
(1,27)	1:112:A:VAL:HG22	1:112:A:VAL:HG23	24	0.22
(1,27)	1:112:A:VAL:HG21	1:112:A:VAL:HG23	25	0.22
(1,18)	1:98:A:LEU:HD12	1:98:A:LEU:HD21	16	0.22
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD23	17	0.22
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD23	22	0.22
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	18	0.21
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	6	0.21
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	23	0.21
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	25	0.21
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	4	0.21
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD11	21	0.21
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE2	15	0.21
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	14	0.21
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	3	0.21
(1,3487)	1:125:A:VAL:HG11	1:126:A:TYR:H	20	0.21
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	5	0.21
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	10	0.21
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	12	0.21
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	23	0.21
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	1	0.21
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD11	24	0.21
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG22	12	0.21
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	9	0.21
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	20	0.21
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE2	5	0.21
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	1	0.21
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	8	0.21
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB3	25	0.21
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	14	0.21
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	18	0.21
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	10	0.21
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	3	0.21
(1,3344)	1:88:A:LEU:HD13	1:89:A:TYR:H	7	0.21
(1,3344)	1:88:A:LEU:HD21	1:89:A:TYR:H	10	0.21
(1,3310)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	16	0.21
(1,3291)	1:74:A:CYS:H	1:123:A:LEU:HD13	3	0.21
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	3	0.21
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	20	0.21
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD22	2	0.21
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD12	12	0.21
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	3	0.21
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	1	0.21
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	1	0.21
(1,3259)	1:66:A:LEU:HD12	1:67:A:PHE:H	23	0.21
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	24	0.21
(1,3206)	1:109:A:LEU:HD13	1:66:A:LEU:H	25	0.21
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	6	0.21
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	19	0.21
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	21	0.21
(1,3193)	1:74:A:CYS:H	1:73:A:LEU:HD12	19	0.21
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	1	0.21
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	5	0.21
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	14	0.21
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	23	0.21
(1,3162)	1:73:A:LEU:HD23	1:117:A:ARG:HA	9	0.21
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	12	0.21
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	22	0.21
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	1	0.21
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	3	0.21
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	4	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	5	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG21	6	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG23	10	0.21
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	13	0.21
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	21	0.21
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	22	0.21
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	23	0.21
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG22	24	0.21
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	25	0.21
(1,3086)	1:127:A:ILE:HD12	1:70:A:PHE:HE1	13	0.21
(1,3068)	1:125:A:VAL:HG12	1:126:A:TYR:HB2	19	0.21
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD22	9	0.21
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	1	0.21
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	21	0.21
(1,3054)	1:123:A:LEU:HA	1:126:A:TYR:HE2	18	0.21
(1,3043)	1:119:A:ARG:HB2	1:119:A:ARG:HD3	20	0.21
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	16	0.21
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG22	25	0.21
(1,3016)	1:71:A:LEU:HD23	1:85:A:VAL:H	13	0.21
(1,3011)	1:109:A:LEU:HA	1:110:A:SER:HA	6	0.21
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	17	0.21
(1,2989)	1:100:A:LEU:HD21	1:63:A:ASN:HB3	4	0.21
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	13	0.21
(1,2975)	1:113:A:LEU:HD23	1:69:A:GLU:H	12	0.21
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	5	0.21
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	9	0.21
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	18	0.21
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	21	0.21
(1,2963)	1:92:A:GLN:HG3	1:105:A:PHE:HE2	25	0.21
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	19	0.21
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	10	0.21
(1,2943)	1:88:A:LEU:HD23	1:89:A:TYR:HA	23	0.21
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	20	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	3	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	5	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	6	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	7	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	9	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	11	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	14	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	15	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	16	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	18	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	19	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	21	0.21
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	23	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	1	0.21
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	9	0.21
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	10	0.21
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	12	0.21
(1,2921)	1:133:A:VAL:HG23	1:108:A:ILE:HB	23	0.21
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	5	0.21
(1,2920)	1:133:A:VAL:HG21	1:108:A:ILE:HB	7	0.21
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	13	0.21
(1,2908)	1:83:A:GLU:HB2	1:84:A:VAL:HA	14	0.21
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	1	0.21
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	15	0.21
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	5	0.21
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	12	0.21
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	18	0.21
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	25	0.21
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	5	0.21
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	10	0.21
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	20	0.21
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	5	0.21
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	9	0.21
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	11	0.21
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	14	0.21
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	25	0.21
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	7	0.21
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	14	0.21
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	18	0.21
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	25	0.21
(1,2790)	1:85:A:VAL:HG13	1:71:A:LEU:HB3	2	0.21
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	5	0.21
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	23	0.21
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	5	0.21
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	22	0.21
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD22	25	0.21
(1,2767)	1:113:A:LEU:HD21	1:113:A:LEU:HB3	2	0.21
(1,2767)	1:113:A:LEU:HD11	1:113:A:LEU:HB2	9	0.21
(1,2767)	1:113:A:LEU:HD13	1:113:A:LEU:HB2	12	0.21
(1,2765)	1:113:A:LEU:HD11	1:70:A:PHE:HD2	8	0.21
(1,2748)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	23	0.21
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	24	0.21
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	2	0.21
(1,2731)	1:130:A:LEU:HD12	1:130:A:LEU:HD13	1	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	3	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	4	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	5	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	6	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	7	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	8	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	9	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	10	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	11	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	12	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	13	0.21
(1,2731)	1:130:A:LEU:HD12	1:130:A:LEU:HD11	14	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	15	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	16	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	17	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	18	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	19	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	20	0.21
(1,2731)	1:85:A:VAL:HG21	1:85:A:VAL:HG23	21	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	22	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	23	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG23	24	0.21
(1,2731)	1:85:A:VAL:HG22	1:85:A:VAL:HG21	25	0.21
(1,2708)	1:123:A:LEU:HD12	1:73:A:LEU:HD13	18	0.21
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	24	0.21
(1,2695)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	5	0.21
(1,2695)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	23	0.21
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	4	0.21
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	15	0.21
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	2	0.21
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	6	0.21
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	5	0.21
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	10	0.21
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	19	0.21
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	7	0.21
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	8	0.21
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	25	0.21
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	7	0.21
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	11	0.21
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	18	0.21
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	23	0.21
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	25	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:139:A:ALA:HB3	1:96:A:HIS:HD2	7	0.21
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	15	0.21
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	16	0.21
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	2	0.21
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	11	0.21
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	20	0.21
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	23	0.21
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	11	0.21
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	24	0.21
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	15	0.21
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	6	0.21
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	20	0.21
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	14	0.21
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	18	0.21
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	16	0.21
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE2	20	0.21
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	24	0.21
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	9	0.21
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB1	16	0.21
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	14	0.21
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	17	0.21
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	20	0.21
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	11	0.21
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	19	0.21
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	4	0.21
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD1	8	0.21
(1,2083)	1:84:A:VAL:HG21	1:80:A:ASP:H	12	0.21
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	16	0.21
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	23	0.21
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	8	0.21
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	9	0.21
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	6	0.21
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	12	0.21
(1,1962)	1:65:A:LYS:H	1:105:A:PHE:HD2	23	0.21
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	4	0.21
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	15	0.21
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	20	0.21
(1,1883)	1:74:A:CYS:H	1:78:A:THR:HG23	15	0.21
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	23	0.21
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD13	18	0.21
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	14	0.21
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB3	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	23	0.21
(1,1838)	1:77:A:GLN:HE22	1:73:A:LEU:HD22	13	0.21
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	16	0.21
(1,1797)	1:84:A:VAL:HG21	1:84:A:VAL:H	2	0.21
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	22	0.21
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	3	0.21
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	19	0.21
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD22	20	0.21
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	11	0.21
(1,1677)	1:138:A:SER:HB2	1:138:A:SER:H	1	0.21
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	11	0.21
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	13	0.21
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	20	0.21
(1,1662)	1:136:A:ALA:HB3	1:137:A:HIS:HD2	3	0.21
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	7	0.21
(1,1662)	1:136:A:ALA:HB1	1:137:A:HIS:HD2	16	0.21
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	17	0.21
(1,1662)	1:136:A:ALA:HB3	1:137:A:HIS:HD2	19	0.21
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	20	0.21
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	4	0.21
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	8	0.21
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	9	0.21
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	6	0.21
(1,1641)	1:134:A:LEU:HD22	1:134:A:LEU:H	14	0.21
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	13	0.21
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	23	0.21
(1,1558)	1:127:A:ILE:HD13	1:127:A:ILE:H	18	0.21
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	3	0.21
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	7	0.21
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	9	0.21
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	8	0.21
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	23	0.21
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	11	0.21
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	21	0.21
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	4	0.21
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	5	0.21
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	6	0.21
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	19	0.21
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	11	0.21
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	19	0.21
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	9	0.21
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	13	0.21
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	17	0.21
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	18	0.21
(1,1206)	1:101:A:ALA:HB2	1:98:A:LEU:HD21	8	0.21
(1,1206)	1:101:A:ALA:HB1	1:98:A:LEU:HD21	11	0.21
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	21	0.21
(1,1182)	1:100:A:LEU:HD13	1:92:A:GLN:HE22	20	0.21
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	15	0.21
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	24	0.21
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD22	7	0.21
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	8	0.21
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	11	0.21
(1,1077)	1:91:A:ARG:HD2	1:134:A:LEU:HB3	3	0.21
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	16	0.21
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	1	0.21
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	4	0.21
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	13	0.21
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	24	0.21
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	25	0.21
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	7	0.21
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	8	0.21
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	18	0.21
(1,976)	1:87:A:PHE:HA	1:87:A:PHE:HD1	14	0.21
(1,956)	1:85:A:VAL:HG12	1:86:A:PRO:HG3	23	0.21
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	16	0.21
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	1	0.21
(1,930)	1:84:A:VAL:HG23	1:83:A:GLU:H	20	0.21
(1,850)	1:74:A:CYS:HB2	1:78:A:THR:HG21	14	0.21
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	8	0.21
(1,820)	1:71:A:LEU:HD22	1:75:A:LYS:HE2	12	0.21
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	22	0.21
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	9	0.21
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	15	0.21
(1,781)	1:73:A:LEU:HB2	1:74:A:CYS:H	15	0.21
(1,765)	1:71:A:LEU:HD21	1:74:A:CYS:H	18	0.21
(1,765)	1:71:A:LEU:HD23	1:74:A:CYS:H	23	0.21
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	10	0.21
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	12	0.21
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	14	0.21
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	1	0.21
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	10	0.21
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:66:A:LEU:HD12	1:110:A:SER:HB3	4	0.21
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	4	0.21
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	15	0.21
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	3	0.21
(1,612)	1:60:A:LYS:HB2	1:61:A:LEU:H	7	0.21
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	14	0.21
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	8	0.21
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	4	0.21
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	5	0.21
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	5	0.21
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	11	0.21
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	21	0.21
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	15	0.21
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	17	0.21
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	24	0.21
(1,480)	1:123:A:LEU:HD21	1:77:A:GLN:HG2	5	0.21
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	13	0.21
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	17	0.21
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	16	0.21
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	25	0.21
(1,442)	1:72:A:GLU:HG2	1:72:A:GLU:H	22	0.21
(1,428)	1:108:A:ILE:HD12	1:104:A:GLU:HG2	24	0.21
(1,405)	1:113:A:LEU:HD21	1:70:A:PHE:HA	16	0.21
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	3	0.21
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	4	0.21
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	7	0.21
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	9	0.21
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	12	0.21
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	13	0.21
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	15	0.21
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	19	0.21
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	20	0.21
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	24	0.21
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	3	0.21
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	4	0.21
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	7	0.21
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	9	0.21
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	13	0.21
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	15	0.21
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	19	0.21
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	20	0.21
(1,339)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:84:A:VAL:HG11	1:84:A:VAL:HA	3	0.21
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	7	0.21
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	10	0.21
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD22	6	0.21
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG12	13	0.21
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD23	7	0.21
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD21	12	0.21
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	20	0.21
(1,235)	1:123:A:LEU:HD23	1:123:A:LEU:HD12	16	0.21
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	14	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	1	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	3	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	4	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	5	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	8	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	11	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	12	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	14	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	18	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	21	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	22	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	23	0.21
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	25	0.21
(1,119)	1:69:A:GLU:HB2	1:69:A:GLU:HG2	4	0.21
(1,119)	1:69:A:GLU:HB2	1:69:A:GLU:HG2	16	0.21
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG21	3	0.21
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG21	17	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	1	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	2	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	3	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	4	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	5	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB1	6	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	7	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	8	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	9	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB1	10	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	11	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	12	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	13	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	14	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB1	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	16	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	17	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	18	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB1	19	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	20	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB3	21	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	22	0.21
(1,42)	1:136:A:ALA:HB2	1:136:A:ALA:HB1	23	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	24	0.21
(1,42)	1:136:A:ALA:HB1	1:136:A:ALA:HB3	25	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	1	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	2	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	3	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	4	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG11	5	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG11	6	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG13	7	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	8	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG11	9	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG13	10	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	11	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG13	12	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	13	0.21
(1,31)	1:84:A:VAL:HG12	1:84:A:VAL:HG13	14	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	15	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	16	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	17	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	18	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	19	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	20	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	21	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	22	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	23	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	24	0.21
(1,31)	1:84:A:VAL:HG11	1:84:A:VAL:HG13	25	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	1	0.21
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG21	3	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	4	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	5	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	6	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	8	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG21	11	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	12	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	14	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	15	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	16	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	17	0.21
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG21	19	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	20	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	21	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	22	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	23	0.21
(1,28)	1:125:A:VAL:HG21	1:125:A:VAL:HG23	24	0.21
(1,28)	1:125:A:VAL:HG22	1:125:A:VAL:HG23	25	0.21
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD23	4	0.21
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD21	19	0.21
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	19	0.2
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	17	0.2
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	13	0.2
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD13	4	0.2
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	2	0.2
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	10	0.2
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	24	0.2
(1,3487)	1:125:A:VAL:HG21	1:126:A:TYR:H	7	0.2
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	10	0.2
(1,3487)	1:125:A:VAL:HG23	1:126:A:TYR:H	18	0.2
(1,3487)	1:125:A:VAL:HG11	1:126:A:TYR:H	24	0.2
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	17	0.2
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	21	0.2
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	24	0.2
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	22	0.2
(1,3474)	1:125:A:VAL:HG23	1:124:A:TYR:H	18	0.2
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	24	0.2
(1,3441)	1:110:A:SER:H	1:111:A:ARG:HB2	14	0.2
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE2	17	0.2
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	6	0.2
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	7	0.2
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	12	0.2
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	15	0.2
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	8	0.2
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	9	0.2
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	11	0.2
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	9	0.2
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	2	0.2
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	22	0.2
(1,3344)	1:88:A:LEU:HD21	1:89:A:TYR:H	12	0.2
(1,3344)	1:88:A:LEU:HD13	1:89:A:TYR:H	15	0.2
(1,3344)	1:88:A:LEU:HD12	1:89:A:TYR:H	16	0.2
(1,3344)	1:88:A:LEU:HD11	1:89:A:TYR:H	17	0.2
(1,3344)	1:88:A:LEU:HD12	1:89:A:TYR:H	22	0.2
(1,3327)	1:85:A:VAL:H	1:71:A:LEU:HD12	7	0.2
(1,3315)	1:85:A:VAL:HG21	1:78:A:THR:H	19	0.2
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	13	0.2
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	18	0.2
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	9	0.2
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	17	0.2
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD23	3	0.2
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	12	0.2
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	11	0.2
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	23	0.2
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	4	0.2
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	14	0.2
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	16	0.2
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	23	0.2
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG2	8	0.2
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	7	0.2
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	10	0.2
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	20	0.2
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	22	0.2
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	5	0.2
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	10	0.2
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	10	0.2
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG23	1	0.2
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	8	0.2
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG21	16	0.2
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	17	0.2
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG21	19	0.2
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG22	20	0.2
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	1	0.2
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	10	0.2
(1,3065)	1:125:A:VAL:HA	1:128:A:ASN:HD22	3	0.2
(1,3059)	1:123:A:LEU:HD21	1:124:A:TYR:HE1	4	0.2
(1,3040)	1:116:A:ALA:HB2	1:123:A:LEU:HB2	22	0.2
(1,3032)	1:113:A:LEU:HD12	1:112:A:VAL:HG22	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	19	0.2
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	21	0.2
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	16	0.2
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	15	0.2
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	24	0.2
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	23	0.2
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	2	0.2
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	8	0.2
(1,2965)	1:94:A:ARG:HB2	1:138:A:SER:HB3	1	0.2
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	7	0.2
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	15	0.2
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	21	0.2
(1,2931)	1:88:A:LEU:HD12	1:71:A:LEU:H	6	0.2
(1,2931)	1:88:A:LEU:HD13	1:71:A:LEU:H	12	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	1	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	2	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	4	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	8	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	10	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	12	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	20	0.2
(1,2922)	1:85:A:VAL:HA	1:86:A:PRO:HD2	22	0.2
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	4	0.2
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	18	0.2
(1,2920)	1:133:A:VAL:HG21	1:108:A:ILE:HB	21	0.2
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG21	1	0.2
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	3	0.2
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD23	22	0.2
(1,2890)	1:73:A:LEU:HD21	1:116:A:ALA:H	8	0.2
(1,2890)	1:73:A:LEU:HD22	1:116:A:ALA:H	20	0.2
(1,2879)	1:71:A:LEU:HD22	1:74:A:CYS:HB2	16	0.2
(1,2879)	1:71:A:LEU:HD22	1:74:A:CYS:HB2	24	0.2
(1,2873)	1:71:A:LEU:HB3	1:75:A:LYS:HE2	21	0.2
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	4	0.2
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	8	0.2
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	6	0.2
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	6	0.2
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD13	18	0.2
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	12	0.2
(1,2858)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	14	0.2
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	22	0.2
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	1	0.2
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	10	0.2
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	6	0.2
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	7	0.2
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	12	0.2
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	13	0.2
(1,2809)	1:112:A:VAL:HG11	1:108:A:ILE:HG22	17	0.2
(1,2809)	1:112:A:VAL:HG12	1:108:A:ILE:HG21	18	0.2
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	24	0.2
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD23	3	0.2
(1,2782)	1:66:A:LEU:HD23	1:66:A:LEU:HD13	10	0.2
(1,2782)	1:113:A:LEU:HD13	1:66:A:LEU:HD23	14	0.2
(1,2767)	1:113:A:LEU:HD21	1:113:A:LEU:HB3	21	0.2
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	21	0.2
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	5	0.2
(1,2708)	1:123:A:LEU:HD11	1:73:A:LEU:HD11	13	0.2
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	1	0.2
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	14	0.2
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	22	0.2
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	15	0.2
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	3	0.2
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	12	0.2
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	18	0.2
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	23	0.2
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	13	0.2
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	7	0.2
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	23	0.2
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	14	0.2
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	8	0.2
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	16	0.2
(1,2641)	1:139:A:ALA:HB2	1:96:A:HIS:HD2	6	0.2
(1,2627)	1:105:A:PHE:HD1	1:99:A:PHE:HE2	16	0.2
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	10	0.2
(1,2618)	1:124:A:TYR:HE1	1:124:A:TYR:HA	24	0.2
(1,2606)	1:103:A:ALA:HB3	1:59:A:TYR:HE1	16	0.2
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	22	0.2
(1,2577)	1:112:A:VAL:HG13	1:115:A:ARG:H	2	0.2
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	13	0.2
(1,2534)	1:138:A:SER:H	1:141:A:LYS:HD3	13	0.2
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	4	0.2
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	24	0.2
(1,2501)	1:134:A:LEU:HD13	1:134:A:LEU:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	6	0.2
(1,2398)	1:122:A:LYS:H	1:122:A:LYS:HE3	15	0.2
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	2	0.2
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	5	0.2
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	23	0.2
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	24	0.2
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	2	0.2
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	19	0.2
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	13	0.2
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	6	0.2
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	18	0.2
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	2	0.2
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	6	0.2
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	16	0.2
(1,2020)	1:73:A:LEU:HD13	1:73:A:LEU:H	17	0.2
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	3	0.2
(1,2006)	1:71:A:LEU:HD11	1:71:A:LEU:H	5	0.2
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	10	0.2
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	22	0.2
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	17	0.2
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	21	0.2
(1,1958)	1:65:A:LYS:HB2	1:65:A:LYS:H	15	0.2
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	1	0.2
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	11	0.2
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	12	0.2
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	22	0.2
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	1	0.2
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	6	0.2
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	18	0.2
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	9	0.2
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	16	0.2
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB1	24	0.2
(1,1841)	1:92:A:GLN:H	1:95:A:ALA:HB1	4	0.2
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	8	0.2
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	8	0.2
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	17	0.2
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	7	0.2
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	14	0.2
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	22	0.2
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	4	0.2
(1,1797)	1:84:A:VAL:HG23	1:84:A:VAL:H	10	0.2
(1,1781)	1:98:A:LEU:HD23	1:98:A:LEU:H	21	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:64:A:GLU:HG2	1:60:A:LYS:HG2	7	0.2
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD21	1	0.2
(1,1739)	1:66:A:LEU:HD22	1:69:A:GLU:HG2	10	0.2
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	4	0.2
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	10	0.2
(1,1701)	1:61:A:LEU:HA	1:60:A:LYS:HD2	16	0.2
(1,1685)	1:139:A:ALA:HA	1:96:A:HIS:HB3	23	0.2
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	8	0.2
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	19	0.2
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	23	0.2
(1,1677)	1:138:A:SER:HB2	1:138:A:SER:H	17	0.2
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	7	0.2
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	8	0.2
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	12	0.2
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	18	0.2
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	20	0.2
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	16	0.2
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	23	0.2
(1,1647)	1:134:A:LEU:HD23	1:99:A:PHE:HZ	25	0.2
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	11	0.2
(1,1641)	1:134:A:LEU:HD22	1:134:A:LEU:H	16	0.2
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	1	0.2
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	4	0.2
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	17	0.2
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	24	0.2
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	19	0.2
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	13	0.2
(1,1467)	1:122:A:LYS:HE2	1:122:A:LYS:HG3	1	0.2
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	7	0.2
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	18	0.2
(1,1428)	1:119:A:ARG:HD2	1:122:A:LYS:HG2	18	0.2
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	2	0.2
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	5	0.2
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	6	0.2
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	9	0.2
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	19	0.2
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	20	0.2
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	22	0.2
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	20	0.2
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	22	0.2
(1,1343)	1:111:A:ARG:HB2	1:111:A:ARG:HD3	18	0.2
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	18	0.2
(1,1320)	1:109:A:LEU:HD11	1:63:A:ASN:H	19	0.2
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	23	0.2
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	13	0.2
(1,1297)	1:108:A:ILE:HG23	1:99:A:PHE:HE2	15	0.2
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD12	6	0.2
(1,1223)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	5	0.2
(1,1223)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	23	0.2
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	14	0.2
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	19	0.2
(1,1181)	1:100:A:LEU:HD11	1:100:A:LEU:H	9	0.2
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD12	12	0.2
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	3	0.2
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	8	0.2
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	10	0.2
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD23	11	0.2
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD22	16	0.2
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	4	0.2
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	21	0.2
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	5	0.2
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	22	0.2
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	23	0.2
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	12	0.2
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	23	0.2
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	24	0.2
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	25	0.2
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	6	0.2
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	17	0.2
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	19	0.2
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	14	0.2
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	23	0.2
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	11	0.2
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	7	0.2
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	11	0.2
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	21	0.2
(1,925)	1:84:A:VAL:HG12	1:124:A:TYR:HD1	20	0.2
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	25	0.2
(1,892)	1:83:A:GLU:HA	1:83:A:GLU:HG2	20	0.2
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	14	0.2
(1,851)	1:78:A:THR:HG22	1:81:A:HIS:HB3	2	0.2
(1,851)	1:78:A:THR:HG21	1:81:A:HIS:HB3	10	0.2
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG23	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG23	2	0.2
(1,792)	1:73:A:LEU:HD21	1:70:A:PHE:HD2	17	0.2
(1,787)	1:73:A:LEU:HD23	1:74:A:CYS:HA	2	0.2
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	5	0.2
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	8	0.2
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	6	0.2
(1,762)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	4	0.2
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	7	0.2
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	3	0.2
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	20	0.2
(1,701)	1:66:A:LEU:HD21	1:69:A:GLU:H	2	0.2
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	2	0.2
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	23	0.2
(1,661)	1:65:A:LYS:HA	1:65:A:LYS:HD2	6	0.2
(1,661)	1:65:A:LYS:HA	1:65:A:LYS:HD2	12	0.2
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	15	0.2
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	10	0.2
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	4	0.2
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	6	0.2
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	23	0.2
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	2	0.2
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	14	0.2
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	20	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	1	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	3	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	5	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	9	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	10	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	11	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	12	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	13	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	17	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	19	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	22	0.2
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	24	0.2
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	4	0.2
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	24	0.2
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG23	6	0.2
(1,405)	1:113:A:LEU:HD21	1:70:A:PHE:HA	6	0.2
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	12	0.2
(1,402)	1:101:A:ALA:HB3	1:60:A:LYS:HA	20	0.2
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	8	0.2
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	10	0.2
(1,387)	1:108:A:ILE:HD12	1:108:A:ILE:HG12	11	0.2
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	16	0.2
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	17	0.2
(1,387)	1:108:A:ILE:HD13	1:108:A:ILE:HG12	21	0.2
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	22	0.2
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	23	0.2
(1,386)	1:108:A:ILE:HD12	1:108:A:ILE:HB	6	0.2
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	12	0.2
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	14	0.2
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	24	0.2
(1,333)	1:79:A:ALA:HB2	1:79:A:ALA:HA	23	0.2
(1,283)	1:130:A:LEU:HD11	1:133:A:VAL:HG11	9	0.2
(1,277)	1:84:A:VAL:HG13	1:84:A:VAL:HA	13	0.2
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	16	0.2
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	18	0.2
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD23	3	0.2
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD23	9	0.2
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	10	0.2
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD22	22	0.2
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD22	13	0.2
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD21	17	0.2
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD23	18	0.2
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	19	0.2
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	11	0.2
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	16	0.2
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	17	0.2
(1,123)	1:129:A:GLU:HB3	1:129:A:GLU:HG2	24	0.2
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG22	13	0.2
(1,57)	1:71:A:LEU:HD12	1:85:A:VAL:HG23	3	0.2
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD21	11	0.2
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD23	23	0.2
(1,3579)	1:123:A:LEU:HD11	1:70:A:PHE:HE1	18	0.19
(1,3572)	1:99:A:PHE:HZ	1:104:A:GLU:HG3	15	0.19
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	22	0.19
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	14	0.19
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	15	0.19
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	24	0.19
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	10	0.19
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD13	12	0.19
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	3	0.19
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	5	0.19
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	16	0.19
(1,3509)	1:88:A:LEU:HD23	1:130:A:LEU:H	7	0.19
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	23	0.19
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	6	0.19
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	8	0.19
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	19	0.19
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	2	0.19
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	11	0.19
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	13	0.19
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	25	0.19
(1,3423)	1:107:A:ASN:H	1:108:A:ILE:HB	16	0.19
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	3	0.19
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	21	0.19
(1,3389)	1:95:A:ALA:H	1:96:A:HIS:H	17	0.19
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	6	0.19
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	19	0.19
(1,3379)	1:93:A:GLN:HE21	1:88:A:LEU:HB3	25	0.19
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	4	0.19
(1,3344)	1:88:A:LEU:HD21	1:89:A:TYR:H	3	0.19
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	9	0.19
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	21	0.19
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG23	19	0.19
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	19	0.19
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	15	0.19
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	1	0.19
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	5	0.19
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	20	0.19
(1,3269)	1:66:A:LEU:HD22	1:69:A:GLU:H	18	0.19
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	21	0.19
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	24	0.19
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG3	9	0.19
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	1	0.19
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	12	0.19
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	21	0.19
(1,3202)	1:92:A:GLN:HE21	1:109:A:LEU:HD11	3	0.19
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	11	0.19
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	20	0.19
(1,3175)	1:119:A:ARG:HG2	1:119:A:ARG:H	13	0.19
(1,3167)	1:106:A:CYS:HB3	1:102:A:SER:HA	22	0.19
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	7	0.19
(1,3162)	1:73:A:LEU:HD23	1:117:A:ARG:HA	10	0.19
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	14	0.19
(1,3145)	1:85:A:VAL:HG22	1:74:A:CYS:H	18	0.19
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB2	23	0.19
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG22	2	0.19
(1,3100)	1:84:A:VAL:HG11	1:85:A:VAL:HG23	9	0.19
(1,3100)	1:84:A:VAL:HG13	1:85:A:VAL:HG23	15	0.19
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	23	0.19
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	17	0.19
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	2	0.19
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG22	6	0.19
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG22	12	0.19
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	14	0.19
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG12	18	0.19
(1,3018)	1:110:A:SER:HB2	1:111:A:ARG:HG2	7	0.19
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	5	0.19
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	9	0.19
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	10	0.19
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	12	0.19
(1,2994)	1:101:A:ALA:HB2	1:59:A:TYR:H	16	0.19
(1,2989)	1:100:A:LEU:HD22	1:63:A:ASN:HB3	19	0.19
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB3	22	0.19
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	20	0.19
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	19	0.19
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	9	0.19
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	13	0.19
(1,2931)	1:88:A:LEU:HD11	1:71:A:LEU:H	10	0.19
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	1	0.19
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	9	0.19
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	10	0.19
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	12	0.19
(1,2920)	1:133:A:VAL:HG23	1:108:A:ILE:HB	23	0.19
(1,2919)	1:133:A:VAL:HG21	1:108:A:ILE:HB	3	0.19
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	17	0.19
(1,2917)	1:133:A:VAL:HG23	1:105:A:PHE:HD1	9	0.19
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	21	0.19
(1,2902)	1:78:A:THR:HG23	1:84:A:VAL:HB	20	0.19
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	19	0.19
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	3	0.19
(1,2868)	1:72:A:GLU:HG2	1:71:A:LEU:HB2	5	0.19
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD13	20	0.19
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	23	0.19
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	15	0.19
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	25	0.19
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	13	0.19
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	23	0.19
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	7	0.19
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	4	0.19
(1,2790)	1:85:A:VAL:HG13	1:71:A:LEU:HB3	16	0.19
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	1	0.19
(1,2774)	1:85:A:VAL:HG21	1:74:A:CYS:HB3	16	0.19
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	21	0.19
(1,2767)	1:113:A:LEU:HD22	1:113:A:LEU:HB3	3	0.19
(1,2767)	1:113:A:LEU:HD22	1:113:A:LEU:HB3	6	0.19
(1,2767)	1:113:A:LEU:HD21	1:113:A:LEU:HB3	18	0.19
(1,2762)	1:73:A:LEU:HD22	1:70:A:PHE:HA	9	0.19
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	4	0.19
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	5	0.19
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	14	0.19
(1,2734)	1:92:A:GLN:HG2	1:100:A:LEU:HD11	3	0.19
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	11	0.19
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	6	0.19
(1,2695)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	10	0.19
(1,2693)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	13	0.19
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	2	0.19
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	22	0.19
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	1	0.19
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	4	0.19
(1,2685)	1:84:A:VAL:HG13	1:124:A:TYR:HE1	14	0.19
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	17	0.19
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	8	0.19
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	17	0.19
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	5	0.19
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	21	0.19
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	23	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	1	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	2	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	3	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	4	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	5	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	6	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	9	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	10	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	11	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	12	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	13	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	14	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	15	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	16	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	17	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	18	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	19	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	20	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	21	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	22	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	24	0.19
(1,2656)	1:70:A:PHE:HE1	1:70:A:PHE:HD1	25	0.19
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	8	0.19
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	11	0.19
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	22	0.19
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	5	0.19
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	13	0.19
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	20	0.19
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	23	0.19
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	9	0.19
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	9	0.19
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	18	0.19
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	23	0.19
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	25	0.19
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	11	0.19
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	18	0.19
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	3	0.19
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	4	0.19
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	1	0.19
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	25	0.19
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	17	0.19
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB2	10	0.19
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	4	0.19
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	10	0.19
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	12	0.19
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	15	0.19
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	25	0.19
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	11	0.19
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	17	0.19
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	1	0.19
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	21	0.19
(1,2169)	1:92:A:GLN:H	1:92:A:GLN:HG2	9	0.19
(1,2169)	1:92:A:GLN:H	1:92:A:GLN:HG2	25	0.19
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	23	0.19
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD2	7	0.19
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	1	0.19
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	11	0.19
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	12	0.19
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	6	0.19
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	6	0.19
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	13	0.19
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	19	0.19
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	2	0.19
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	13	0.19
(1,2039)	1:73:A:LEU:HD21	1:76:A:MET:H	9	0.19
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	13	0.19
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	18	0.19
(1,2021)	1:73:A:LEU:HD23	1:73:A:LEU:H	22	0.19
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	11	0.19
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	14	0.19
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	17	0.19
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	2	0.19
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	24	0.19
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	9	0.19
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD12	16	0.19
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	2	0.19
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	18	0.19
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	23	0.19
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	24	0.19
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	25	0.19
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB1	5	0.19
(1,1828)	1:113:A:LEU:HD21	1:69:A:GLU:H	6	0.19
(1,1826)	1:61:A:LEU:HD21	1:61:A:LEU:H	23	0.19
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	18	0.19
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	22	0.19
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	2	0.19
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	13	0.19
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	19	0.19
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	23	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	3	0.19
(1,1797)	1:84:A:VAL:HG22	1:84:A:VAL:H	13	0.19
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	22	0.19
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	15	0.19
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD21	3	0.19
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD22	21	0.19
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD23	22	0.19
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD21	23	0.19
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	1	0.19
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	10	0.19
(1,1720)	1:85:A:VAL:HG12	1:89:A:TYR:H	18	0.19
(1,1701)	1:61:A:LEU:HA	1:60:A:LYS:HD2	9	0.19
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	4	0.19
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	16	0.19
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	21	0.19
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	1	0.19
(1,1680)	1:138:A:SER:HB2	1:141:A:LYS:HG2	15	0.19
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	11	0.19
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	25	0.19
(1,1674)	1:138:A:SER:HB2	1:139:A:ALA:H	20	0.19
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	4	0.19
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	9	0.19
(1,1662)	1:136:A:ALA:HB1	1:137:A:HIS:HD2	9	0.19
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	4	0.19
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	8	0.19
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	24	0.19
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	23	0.19
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	3	0.19
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	4	0.19
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	20	0.19
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	16	0.19
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	24	0.19
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	18	0.19
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	23	0.19
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	9	0.19
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	11	0.19
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	12	0.19
(1,1509)	1:125:A:VAL:HG11	1:126:A:TYR:HE1	5	0.19
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	10	0.19
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	24	0.19
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	7	0.19
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	14	0.19
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	24	0.19
(1,1464)	1:122:A:LYS:HG2	1:126:A:TYR:HE2	18	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	4	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	11	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	12	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	14	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	16	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	21	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	24	0.19
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	25	0.19
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	18	0.19
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	15	0.19
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	9	0.19
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	25	0.19
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	5	0.19
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD13	7	0.19
(1,1301)	1:108:A:ILE:HD13	1:108:A:ILE:H	2	0.19
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	6	0.19
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	12	0.19
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	23	0.19
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	24	0.19
(1,1251)	1:106:A:CYS:HA	1:109:A:LEU:HB3	10	0.19
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	10	0.19
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	23	0.19
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	2	0.19
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	16	0.19
(1,1181)	1:100:A:LEU:HD13	1:100:A:LEU:H	25	0.19
(1,1148)	1:98:A:LEU:HD12	1:96:A:HIS:HD2	24	0.19
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	1	0.19
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	9	0.19
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	5	0.19
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	19	0.19
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	17	0.19
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	25	0.19
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	6	0.19
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	20	0.19
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	21	0.19
(1,1005)	1:88:A:LEU:HD12	1:88:A:LEU:H	16	0.19
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	1	0.19
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	4	0.19
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:84:A:VAL:HG22	1:81:A:HIS:HA	23	0.19
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	8	0.19
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	11	0.19
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	13	0.19
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	22	0.19
(1,762)	1:71:A:LEU:HD11	1:67:A:PHE:HD2	23	0.19
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	7	0.19
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	14	0.19
(1,724)	1:69:A:GLU:HG2	1:65:A:LYS:HG2	14	0.19
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	7	0.19
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	8	0.19
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	11	0.19
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	23	0.19
(1,689)	1:66:A:LEU:HD12	1:110:A:SER:HB3	13	0.19
(1,689)	1:66:A:LEU:HD11	1:110:A:SER:HB3	23	0.19
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	10	0.19
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	5	0.19
(1,641)	1:62:A:GLU:HG2	1:63:A:ASN:H	2	0.19
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	4	0.19
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	10	0.19
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	25	0.19
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	20	0.19
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	3	0.19
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	9	0.19
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	3	0.19
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	4	0.19
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	15	0.19
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	16	0.19
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	22	0.19
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	25	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	2	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	4	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	7	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	14	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	15	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	18	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	21	0.19
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	23	0.19
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	13	0.19
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	25	0.19
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	21	0.19
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:108:A:ILE:HD11	1:108:A:ILE:HG12	25	0.19
(1,386)	1:108:A:ILE:HD13	1:108:A:ILE:HB	1	0.19
(1,386)	1:108:A:ILE:HD11	1:108:A:ILE:HB	18	0.19
(1,312)	1:117:A:ARG:HD3	1:117:A:ARG:HB2	12	0.19
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	5	0.19
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG11	2	0.19
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	8	0.19
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD23	15	0.19
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD21	20	0.19
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	23	0.19
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD23	25	0.19
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG13	3	0.19
(1,247)	1:84:A:VAL:HG21	1:84:A:VAL:HG11	23	0.19
(1,247)	1:84:A:VAL:HG22	1:84:A:VAL:HG13	24	0.19
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD22	15	0.19
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	22	0.19
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD11	17	0.19
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	22	0.19
(1,140)	1:111:A:ARG:HG2	1:111:A:ARG:HB2	7	0.19
(1,119)	1:69:A:GLU:HB2	1:69:A:GLU:HG2	8	0.19
(1,119)	1:69:A:GLU:HB2	1:69:A:GLU:HG2	17	0.19
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG22	9	0.19
(1,101)	1:116:A:ALA:HB3	1:112:A:VAL:HG23	19	0.19
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB1	16	0.19
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	14	0.19
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	11	0.19
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD22	5	0.19
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD21	10	0.19
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD22	14	0.19
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	22	0.18
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD13	5	0.18
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB2	5	0.18
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	9	0.18
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	24	0.18
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG21	2	0.18
(1,3487)	1:125:A:VAL:HG12	1:126:A:TYR:H	9	0.18
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	4	0.18
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	7	0.18
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB2	16	0.18
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	3	0.18
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	24	0.18
(1,3461)	1:67:A:PHE:H	1:113:A:LEU:HD13	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG23	8	0.18
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	16	0.18
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	23	0.18
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	5	0.18
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	14	0.18
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	1	0.18
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	13	0.18
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	22	0.18
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	2	0.18
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	12	0.18
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	9	0.18
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	13	0.18
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	14	0.18
(1,3344)	1:88:A:LEU:HD13	1:89:A:TYR:H	8	0.18
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	16	0.18
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	20	0.18
(1,3310)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	7	0.18
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	22	0.18
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	18	0.18
(1,3284)	1:113:A:LEU:HD22	1:73:A:LEU:H	8	0.18
(1,3284)	1:113:A:LEU:HD23	1:73:A:LEU:H	9	0.18
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	25	0.18
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	19	0.18
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	16	0.18
(1,3167)	1:106:A:CYS:HB3	1:59:A:TYR:HA	24	0.18
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	21	0.18
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	3	0.18
(1,3100)	1:84:A:VAL:HG12	1:85:A:VAL:HG23	12	0.18
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	14	0.18
(1,3086)	1:127:A:ILE:HD13	1:70:A:PHE:HE1	11	0.18
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	24	0.18
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	8	0.18
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	17	0.18
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD23	11	0.18
(1,3040)	1:116:A:ALA:HB1	1:123:A:LEU:HB2	18	0.18
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE2	1	0.18
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG11	8	0.18
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	20	0.18
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	1	0.18
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	3	0.18
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	21	0.18
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:101:A:ALA:HA	1:60:A:LYS:HG2	23	0.18
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	9	0.18
(1,2983)	1:100:A:LEU:HD12	1:95:A:ALA:HA	4	0.18
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	20	0.18
(1,2975)	1:113:A:LEU:HD22	1:69:A:GLU:H	2	0.18
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	19	0.18
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	24	0.18
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	3	0.18
(1,2943)	1:88:A:LEU:HD21	1:89:A:TYR:HA	12	0.18
(1,2939)	1:88:A:LEU:HD13	1:84:A:VAL:HB	15	0.18
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	4	0.18
(1,2902)	1:78:A:THR:HG22	1:84:A:VAL:HB	7	0.18
(1,2879)	1:71:A:LEU:HD23	1:74:A:CYS:HB2	23	0.18
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	5	0.18
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	24	0.18
(1,2868)	1:72:A:GLU:HG2	1:71:A:LEU:HB2	20	0.18
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	10	0.18
(1,2862)	1:66:A:LEU:HD12	1:62:A:GLU:HB2	10	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD13	2	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	8	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	12	0.18
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	14	0.18
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	1	0.18
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	3	0.18
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	15	0.18
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	17	0.18
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	6	0.18
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	8	0.18
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	9	0.18
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	23	0.18
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	17	0.18
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	10	0.18
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	16	0.18
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	4	0.18
(1,2790)	1:85:A:VAL:HG13	1:75:A:LYS:HG3	21	0.18
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD23	18	0.18
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	3	0.18
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	11	0.18
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	13	0.18
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD23	3	0.18
(1,2767)	1:113:A:LEU:HD22	1:113:A:LEU:HB3	15	0.18
(1,2767)	1:113:A:LEU:HD11	1:113:A:LEU:HB2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:113:A:LEU:HD23	1:113:A:LEU:HB3	24	0.18
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	9	0.18
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	16	0.18
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	21	0.18
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	9	0.18
(1,2695)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	16	0.18
(1,2690)	1:59:A:TYR:HD1	1:106:A:CYS:HB3	21	0.18
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	7	0.18
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	14	0.18
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	16	0.18
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	17	0.18
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	22	0.18
(1,2672)	1:67:A:PHE:HE1	1:89:A:TYR:HA	15	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	3	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	14	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	16	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	17	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	22	0.18
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	24	0.18
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	12	0.18
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	19	0.18
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	2	0.18
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	9	0.18
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	14	0.18
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	19	0.18
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	22	0.18
(1,2641)	1:139:A:ALA:HB1	1:96:A:HIS:HD2	25	0.18
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB3	11	0.18
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB2	15	0.18
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	17	0.18
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	7	0.18
(1,2593)	1:126:A:TYR:HB3	1:126:A:TYR:HD1	19	0.18
(1,2584)	1:57:A:LYS:H	1:57:A:LYS:HE3	23	0.18
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	19	0.18
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	23	0.18
(1,2573)	1:115:A:ARG:HB3	1:116:A:ALA:H	5	0.18
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	16	0.18
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	12	0.18
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	22	0.18
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	9	0.18
(1,2463)	1:129:A:GLU:HB2	1:128:A:ASN:HD22	9	0.18
(1,2422)	1:125:A:VAL:H	1:126:A:TYR:HD1	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	13	0.18
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD1	13	0.18
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	12	0.18
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	18	0.18
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	18	0.18
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	21	0.18
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	16	0.18
(1,2090)	1:81:A:HIS:H	1:84:A:VAL:HG22	10	0.18
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	9	0.18
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	4	0.18
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	18	0.18
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	11	0.18
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	8	0.18
(1,2015)	1:73:A:LEU:H	1:70:A:PHE:HD1	2	0.18
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	14	0.18
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	11	0.18
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	24	0.18
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	20	0.18
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	21	0.18
(1,1880)	1:143:A:LEU:HG	1:143:A:LEU:H	20	0.18
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	21	0.18
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	6	0.18
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	3	0.18
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	8	0.18
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	21	0.18
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	22	0.18
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB1	12	0.18
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB3	17	0.18
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	12	0.18
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG3	11	0.18
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	1	0.18
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	3	0.18
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	22	0.18
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	18	0.18
(1,1777)	1:117:A:ARG:HG3	1:117:A:ARG:HB3	22	0.18
(1,1773)	1:106:A:CYS:HB3	1:59:A:TYR:HB2	23	0.18
(1,1768)	1:64:A:GLU:HG2	1:60:A:LYS:HG2	25	0.18
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD21	4	0.18
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	7	0.18
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	17	0.18
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	22	0.18
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	3	0.18
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	5	0.18
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	9	0.18
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	16	0.18
(1,1677)	1:138:A:SER:HB2	1:138:A:SER:H	21	0.18
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	23	0.18
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	1	0.18
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	5	0.18
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	6	0.18
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	15	0.18
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	20	0.18
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	11	0.18
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	4	0.18
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	5	0.18
(1,1644)	1:134:A:LEU:HD21	1:105:A:PHE:HD1	12	0.18
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	18	0.18
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	2	0.18
(1,1641)	1:134:A:LEU:HD22	1:134:A:LEU:H	12	0.18
(1,1617)	1:132:A:THR:HG22	1:133:A:VAL:H	8	0.18
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	3	0.18
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	2	0.18
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	15	0.18
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	17	0.18
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	5	0.18
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	6	0.18
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	7	0.18
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	16	0.18
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	2	0.18
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	6	0.18
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	12	0.18
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	3	0.18
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	14	0.18
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	15	0.18
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	24	0.18
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD12	17	0.18
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	3	0.18
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	16	0.18
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	9	0.18
(1,1297)	1:108:A:ILE:HG21	1:99:A:PHE:HE2	7	0.18
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	14	0.18
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	21	0.18
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD11	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:103:A:ALA:HB1	1:59:A:TYR:HD1	10	0.18
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	7	0.18
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	19	0.18
(1,1208)	1:102:A:SER:HB2	1:102:A:SER:HA	21	0.18
(1,1203)	1:101:A:ALA:HB2	1:63:A:ASN:HD21	22	0.18
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	7	0.18
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	8	0.18
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	15	0.18
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	5	0.18
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	10	0.18
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	19	0.18
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	23	0.18
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	2	0.18
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	10	0.18
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD21	23	0.18
(1,1104)	1:94:A:ARG:HD2	1:94:A:ARG:HB2	25	0.18
(1,1094)	1:134:A:LEU:HD12	1:92:A:GLN:HB3	6	0.18
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	19	0.18
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	21	0.18
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	19	0.18
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	20	0.18
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD22	3	0.18
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	5	0.18
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	11	0.18
(1,1005)	1:88:A:LEU:HD11	1:88:A:LEU:H	2	0.18
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	8	0.18
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	9	0.18
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	5	0.18
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	10	0.18
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	11	0.18
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	19	0.18
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	20	0.18
(1,976)	1:87:A:PHE:HA	1:87:A:PHE:HD1	7	0.18
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	15	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	1	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	2	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	3	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	4	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	5	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	6	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	7	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	11	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	12	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	13	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	14	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	15	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	16	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	19	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	20	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	21	0.18
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	25	0.18
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	19	0.18
(1,925)	1:84:A:VAL:HG11	1:124:A:TYR:HD1	22	0.18
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	12	0.18
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	2	0.18
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	7	0.18
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	14	0.18
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	18	0.18
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	19	0.18
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	20	0.18
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	10	0.18
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	13	0.18
(1,762)	1:71:A:LEU:HD11	1:67:A:PHE:HD2	13	0.18
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	2	0.18
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	5	0.18
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	21	0.18
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	22	0.18
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	25	0.18
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	7	0.18
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	8	0.18
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	16	0.18
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	17	0.18
(1,658)	1:64:A:GLU:HG2	1:65:A:LYS:H	16	0.18
(1,655)	1:64:A:GLU:HG2	1:61:A:LEU:HD22	9	0.18
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	8	0.18
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	8	0.18
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	10	0.18
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	12	0.18
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	19	0.18
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	8	0.18
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	19	0.18
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	9	0.18
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:55:A:GLY:HA2	1:56:A:LYS:HB3	22	0.18
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	13	0.18
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	23	0.18
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	4	0.18
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	10	0.18
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	6	0.18
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	15	0.18
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	23	0.18
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	25	0.18
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	10	0.18
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	23	0.18
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	24	0.18
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	8	0.18
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	18	0.18
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	5	0.18
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	13	0.18
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	18	0.18
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	23	0.18
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	24	0.18
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	8	0.18
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	10	0.18
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG11	4	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD22	1	0.18
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD23	4	0.18
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD21	11	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	14	0.18
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD23	16	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	17	0.18
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	24	0.18
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD23	5	0.18
(1,238)	1:134:A:LEU:HD11	1:134:A:LEU:HD23	6	0.18
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD22	8	0.18
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD22	24	0.18
(1,218)	1:109:A:LEU:HD21	1:67:A:PHE:HD1	7	0.18
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	1	0.18
(1,119)	1:69:A:GLU:HB2	1:69:A:GLU:HG2	21	0.18
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	7	0.18
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	21	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	1	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	2	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	3	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	5	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	6	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	7	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	8	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	9	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	10	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	12	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	13	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	14	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	15	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	16	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	17	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	18	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	19	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	20	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	21	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG23	22	0.18
(1,45)	1:108:A:ILE:HG22	1:108:A:ILE:HG21	23	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	24	0.18
(1,45)	1:108:A:ILE:HG21	1:108:A:ILE:HG23	25	0.18
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD21	1	0.18
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	1	0.17
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	10	0.17
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	11	0.17
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	19	0.17
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD11	1	0.17
(1,3546)	1:142:A:LYS:H	1:142:A:LYS:HB3	10	0.17
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB1	13	0.17
(1,3523)	1:130:A:LEU:HD11	1:133:A:VAL:H	6	0.17
(1,3511)	1:131:A:CYS:H	1:87:A:PHE:HE1	17	0.17
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB3	13	0.17
(1,3483)	1:126:A:TYR:H	1:123:A:LEU:HB3	25	0.17
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	9	0.17
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	14	0.17
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	17	0.17
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	5	0.17
(1,3400)	1:95:A:ALA:HB1	1:100:A:LEU:H	17	0.17
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	13	0.17
(1,3389)	1:95:A:ALA:H	1:96:A:HIS:H	23	0.17
(1,3389)	1:95:A:ALA:H	1:96:A:HIS:H	24	0.17
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	25	0.17
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	17	0.17
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	24	0.17
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	18	0.17
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	1	0.17
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	11	0.17
(1,3344)	1:88:A:LEU:HD23	1:89:A:TYR:H	23	0.17
(1,3315)	1:85:A:VAL:HG22	1:78:A:THR:H	4	0.17
(1,3310)	1:123:A:LEU:HD21	1:77:A:GLN:HE21	14	0.17
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	9	0.17
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	19	0.17
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	23	0.17
(1,3265)	1:69:A:GLU:H	1:65:A:LYS:HE3	2	0.17
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	15	0.17
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	23	0.17
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	24	0.17
(1,3256)	1:66:A:LEU:H	1:64:A:GLU:HB2	25	0.17
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	22	0.17
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	17	0.17
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	22	0.17
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	4	0.17
(1,3169)	1:141:A:LYS:HG2	1:142:A:LYS:H	9	0.17
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	2	0.17
(1,3162)	1:73:A:LEU:HD21	1:117:A:ARG:HA	6	0.17
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	3	0.17
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	15	0.17
(1,3040)	1:116:A:ALA:HB2	1:123:A:LEU:HB2	20	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	2	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	4	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	11	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	12	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	13	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	14	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	17	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	22	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	23	0.17
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	24	0.17
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	9	0.17
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	13	0.17
(1,2975)	1:113:A:LEU:HD23	1:69:A:GLU:H	15	0.17
(1,2975)	1:113:A:LEU:HD22	1:69:A:GLU:H	18	0.17
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	7	0.17
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	15	0.17
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	16	0.17
(1,2956)	1:91:A:ARG:HD2	1:87:A:PHE:HE1	14	0.17
(1,2921)	1:133:A:VAL:HG21	1:108:A:ILE:HB	3	0.17
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	17	0.17
(1,2919)	1:133:A:VAL:HG22	1:108:A:ILE:HB	20	0.17
(1,2918)	1:83:A:GLU:HG3	1:84:A:VAL:HG22	16	0.17
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	2	0.17
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG21	3	0.17
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG23	19	0.17
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG21	24	0.17
(1,2879)	1:71:A:LEU:HD22	1:74:A:CYS:HB2	17	0.17
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	6	0.17
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	20	0.17
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	21	0.17
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	3	0.17
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD12	25	0.17
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	4	0.17
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	4	0.17
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	2	0.17
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	17	0.17
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	19	0.17
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	15	0.17
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	16	0.17
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	22	0.17
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	22	0.17
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	23	0.17
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	15	0.17
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	19	0.17
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	8	0.17
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	19	0.17
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	20	0.17
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	22	0.17
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	23	0.17
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	25	0.17
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	14	0.17
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD22	2	0.17
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	2	0.17
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	7	0.17
(1,2774)	1:85:A:VAL:HG23	1:74:A:CYS:HB3	10	0.17
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	25	0.17
(1,2768)	1:113:A:LEU:HD13	1:66:A:LEU:HD23	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	24	0.17
(1,2733)	1:134:A:LEU:HD22	1:130:A:LEU:HG	8	0.17
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	11	0.17
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	21	0.17
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	15	0.17
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	18	0.17
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	18	0.17
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	2	0.17
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	10	0.17
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	11	0.17
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	12	0.17
(1,2653)	1:80:A:ASP:HB2	1:81:A:HIS:HD2	15	0.17
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	2	0.17
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	3	0.17
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	4	0.17
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	10	0.17
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	12	0.17
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	8	0.17
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	6	0.17
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	5	0.17
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	16	0.17
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	7	0.17
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	7	0.17
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	18	0.17
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	2	0.17
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	12	0.17
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	23	0.17
(1,2501)	1:134:A:LEU:HD13	1:134:A:LEU:H	1	0.17
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	11	0.17
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	14	0.17
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	16	0.17
(1,2423)	1:125:A:VAL:H	1:124:A:TYR:HD1	7	0.17
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	7	0.17
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD1	16	0.17
(1,2288)	1:104:A:GLU:H	1:102:A:SER:HA	14	0.17
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	7	0.17
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	2	0.17
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	9	0.17
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	13	0.17
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	22	0.17
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	25	0.17
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	25	0.17
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	10	0.17
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	12	0.17
(1,2080)	1:80:A:ASP:H	1:81:A:HIS:HB3	20	0.17
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	3	0.17
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	9	0.17
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	12	0.17
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	21	0.17
(1,2039)	1:73:A:LEU:HD22	1:76:A:MET:H	6	0.17
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	7	0.17
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	12	0.17
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	11	0.17
(1,1986)	1:109:A:LEU:HD22	1:68:A:GLU:H	19	0.17
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	3	0.17
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	4	0.17
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG13	7	0.17
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	19	0.17
(1,1866)	1:117:A:ARG:H	1:73:A:LEU:HD11	14	0.17
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	9	0.17
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	19	0.17
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	23	0.17
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB1	6	0.17
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB2	15	0.17
(1,1830)	1:85:A:VAL:HG22	1:74:A:CYS:H	6	0.17
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	9	0.17
(1,1830)	1:85:A:VAL:HG22	1:74:A:CYS:H	25	0.17
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	7	0.17
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	2	0.17
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	1	0.17
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	12	0.17
(1,1768)	1:64:A:GLU:HG2	1:60:A:LYS:HG2	13	0.17
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD23	11	0.17
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD22	14	0.17
(1,1745)	1:129:A:GLU:HG3	1:112:A:VAL:HG11	13	0.17
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	22	0.17
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	16	0.17
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	9	0.17
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	16	0.17
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	10	0.17
(1,1663)	1:136:A:ALA:HB3	1:137:A:HIS:HA	22	0.17
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	25	0.17
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	14	0.17
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	7	0.17
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	4	0.17
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	12	0.17
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	19	0.17
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	21	0.17
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	25	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	2	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	3	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	6	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	11	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	13	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	17	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	19	0.17
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	24	0.17
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	13	0.17
(1,1651)	1:135:A:LYS:HE2	1:135:A:LYS:HB2	17	0.17
(1,1647)	1:134:A:LEU:HD22	1:99:A:PHE:HZ	17	0.17
(1,1644)	1:134:A:LEU:HD21	1:105:A:PHE:HD1	17	0.17
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	7	0.17
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	3	0.17
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	5	0.17
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	10	0.17
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	23	0.17
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	2	0.17
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	3	0.17
(1,1617)	1:132:A:THR:HG23	1:133:A:VAL:H	14	0.17
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	17	0.17
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	11	0.17
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	13	0.17
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	11	0.17
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	1	0.17
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	4	0.17
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	12	0.17
(1,1484)	1:123:A:LEU:HD23	1:124:A:TYR:HD1	8	0.17
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	2	0.17
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	5	0.17
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	6	0.17
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	22	0.17
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	18	0.17
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	1	0.17
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	7	0.17
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	8	0.17
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	18	0.17
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	18	0.17
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	14	0.17
(1,1361)	1:112:A:VAL:HG21	1:70:A:PHE:HE2	11	0.17
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	4	0.17
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	12	0.17
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	18	0.17
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	21	0.17
(1,1343)	1:111:A:ARG:HD2	1:111:A:ARG:HB2	7	0.17
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	8	0.17
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	17	0.17
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	1	0.17
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD13	4	0.17
(1,1223)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	16	0.17
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD22	24	0.17
(1,1183)	1:100:A:LEU:HD23	1:100:A:LEU:H	12	0.17
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	6	0.17
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	11	0.17
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	14	0.17
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	20	0.17
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	22	0.17
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	1	0.17
(1,1104)	1:94:A:ARG:HD2	1:94:A:ARG:HB2	16	0.17
(1,1104)	1:94:A:ARG:HD2	1:94:A:ARG:HB2	20	0.17
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	4	0.17
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	9	0.17
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	19	0.17
(1,1005)	1:88:A:LEU:HD13	1:88:A:LEU:H	15	0.17
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	2	0.17
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	9	0.17
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	15	0.17
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	21	0.17
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	25	0.17
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	4	0.17
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	12	0.17
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	8	0.17
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	8	0.17
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	10	0.17
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	17	0.17
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	22	0.17
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	23	0.17
(1,945)	1:86:A:PRO:HA	1:86:A:PRO:HG2	24	0.17
(1,930)	1:84:A:VAL:HG23	1:83:A:GLU:H	22	0.17
(1,923)	1:84:A:VAL:HG13	1:88:A:LEU:H	6	0.17
(1,920)	1:81:A:HIS:HB3	1:84:A:VAL:HG11	15	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	1	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	6	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	9	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	12	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	16	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	17	0.17
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	21	0.17
(1,820)	1:71:A:LEU:HD21	1:75:A:LYS:HE2	4	0.17
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	23	0.17
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	4	0.17
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	6	0.17
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	6	0.17
(1,725)	1:66:A:LEU:HD22	1:69:A:GLU:HB3	18	0.17
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	22	0.17
(1,725)	1:66:A:LEU:HD23	1:69:A:GLU:HB3	23	0.17
(1,725)	1:66:A:LEU:HD21	1:69:A:GLU:HB3	25	0.17
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	9	0.17
(1,719)	1:129:A:GLU:HG2	1:126:A:TYR:HA	7	0.17
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	9	0.17
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	18	0.17
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	24	0.17
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	4	0.17
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	11	0.17
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	19	0.17
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	20	0.17
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	21	0.17
(1,658)	1:64:A:GLU:HG2	1:65:A:LYS:H	15	0.17
(1,641)	1:62:A:GLU:HG2	1:63:A:ASN:H	11	0.17
(1,641)	1:62:A:GLU:HG2	1:63:A:ASN:H	25	0.17
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	25	0.17
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	12	0.17
(1,610)	1:60:A:LYS:HB2	1:60:A:LYS:H	23	0.17
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	3	0.17
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	6	0.17
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	21	0.17
(1,587)	1:59:A:TYR:HB3	1:63:A:ASN:HD21	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	18	0.17
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	23	0.17
(1,576)	1:58:A:CYS:HA	1:59:A:TYR:HD2	13	0.17
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	11	0.17
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	2	0.17
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	19	0.17
(1,480)	1:123:A:LEU:HD22	1:77:A:GLN:HG2	4	0.17
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	25	0.17
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	17	0.17
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	24	0.17
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	8	0.17
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	8	0.17
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	11	0.17
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	6	0.17
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	10	0.17
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	24	0.17
(1,405)	1:113:A:LEU:HD23	1:70:A:PHE:HA	15	0.17
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	25	0.17
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	10	0.17
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	17	0.17
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	18	0.17
(1,310)	1:95:A:ALA:HB2	1:100:A:LEU:HG	13	0.17
(1,298)	1:101:A:ALA:HB2	1:101:A:ALA:H	24	0.17
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	7	0.17
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG12	3	0.17
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD21	16	0.17
(1,238)	1:134:A:LEU:HD13	1:134:A:LEU:HD21	25	0.17
(1,234)	1:73:A:LEU:HD21	1:123:A:LEU:HD12	9	0.17
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	23	0.17
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	17	0.17
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB2	17	0.17
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	8	0.17
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	20	0.17
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	23	0.17
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD23	6	0.17
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD21	9	0.17
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD23	16	0.17
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD23	20	0.17
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD21	24	0.17
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	8	0.16
(1,3567)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	2	0.16
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD11	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB3	8	0.16
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	18	0.16
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	9	0.16
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG21	21	0.16
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	3	0.16
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	5	0.16
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	7	0.16
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	21	0.16
(1,3418)	1:108:A:ILE:HD11	1:106:A:CYS:H	20	0.16
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB2	16	0.16
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB1	23	0.16
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	7	0.16
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	2	0.16
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	3	0.16
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	4	0.16
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	1	0.16
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	20	0.16
(1,3370)	1:100:A:LEU:HD12	1:92:A:GLN:HE21	7	0.16
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	4	0.16
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	13	0.16
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	17	0.16
(1,3308)	1:77:A:GLN:HE21	1:123:A:LEU:HB2	13	0.16
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	21	0.16
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	25	0.16
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	2	0.16
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	22	0.16
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	12	0.16
(1,3259)	1:66:A:LEU:HD11	1:67:A:PHE:H	11	0.16
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	13	0.16
(1,3256)	1:66:A:LEU:H	1:69:A:GLU:HB2	16	0.16
(1,3240)	1:63:A:ASN:H	1:60:A:LYS:HD2	17	0.16
(1,3219)	1:141:A:LYS:H	1:141:A:LYS:HG3	2	0.16
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	18	0.16
(1,3162)	1:73:A:LEU:HD23	1:117:A:ARG:HA	16	0.16
(1,3145)	1:85:A:VAL:HG21	1:74:A:CYS:H	21	0.16
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	23	0.16
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	19	0.16
(1,3105)	1:131:A:CYS:HA	1:134:A:LEU:H	7	0.16
(1,3098)	1:130:A:LEU:HG	1:134:A:LEU:H	15	0.16
(1,3092)	1:125:A:VAL:HG13	1:128:A:ASN:HB2	16	0.16
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	2	0.16
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	25	0.16
(1,3088)	1:127:A:ILE:HD11	1:124:A:TYR:HB2	13	0.16
(1,3087)	1:74:A:CYS:HA	1:127:A:ILE:HD12	19	0.16
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD22	5	0.16
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD22	14	0.16
(1,3033)	1:114:A:SER:HA	1:113:A:LEU:HB3	20	0.16
(1,3026)	1:108:A:ILE:HA	1:112:A:VAL:HG13	3	0.16
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	6	0.16
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	7	0.16
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	15	0.16
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	18	0.16
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	20	0.16
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	25	0.16
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	6	0.16
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	14	0.16
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	10	0.16
(1,2989)	1:100:A:LEU:HD22	1:63:A:ASN:HB3	11	0.16
(1,2989)	1:100:A:LEU:HD22	1:63:A:ASN:HB3	14	0.16
(1,2983)	1:100:A:LEU:HD13	1:95:A:ALA:HA	3	0.16
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	21	0.16
(1,2970)	1:95:A:ALA:HB1	1:138:A:SER:HB2	12	0.16
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	4	0.16
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	6	0.16
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	13	0.16
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	14	0.16
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	20	0.16
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	16	0.16
(1,2889)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	25	0.16
(1,2879)	1:71:A:LEU:HD21	1:74:A:CYS:HB2	18	0.16
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	9	0.16
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	23	0.16
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	25	0.16
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	1	0.16
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	8	0.16
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	5	0.16
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	8	0.16
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	19	0.16
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	7	0.16
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	24	0.16
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	7	0.16
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	16	0.16
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HB2	9	0.16
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HB2	21	0.16
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	21	0.16
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	1	0.16
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	16	0.16
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	10	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	1	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	2	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	3	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	4	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	5	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	6	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	7	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	9	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	10	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	11	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	12	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	13	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	14	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	15	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	16	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	17	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	18	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	21	0.16
(1,2802)	1:75:A:LYS:HE3	1:75:A:LYS:HD3	24	0.16
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	6	0.16
(1,2777)	1:130:A:LEU:HD11	1:133:A:VAL:HG23	9	0.16
(1,2774)	1:85:A:VAL:HG22	1:74:A:CYS:HB3	14	0.16
(1,2769)	1:61:A:LEU:HD12	1:61:A:LEU:HB3	25	0.16
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD23	18	0.16
(1,2762)	1:73:A:LEU:HD22	1:70:A:PHE:HA	4	0.16
(1,2748)	1:66:A:LEU:HD13	1:66:A:LEU:HB2	13	0.16
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	4	0.16
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	19	0.16
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	24	0.16
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	5	0.16
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	12	0.16
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	15	0.16
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	21	0.16
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	5	0.16
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB2	3	0.16
(1,2604)	1:139:A:ALA:HA	1:96:A:HIS:HD2	21	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	2	0.16
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	14	0.16
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	21	0.16
(1,2543)	1:143:A:LEU:H	1:144:A:ASN:H	21	0.16
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	3	0.16
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	8	0.16
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	11	0.16
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	16	0.16
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	10	0.16
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	23	0.16
(1,2423)	1:125:A:VAL:H	1:124:A:TYR:HD2	2	0.16
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	18	0.16
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD21	24	0.16
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	22	0.16
(1,2185)	1:93:A:GLN:H	1:92:A:GLN:HB2	25	0.16
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	19	0.16
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	8	0.16
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	25	0.16
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	12	0.16
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	17	0.16
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	6	0.16
(1,2119)	1:71:A:LEU:HD12	1:88:A:LEU:H	18	0.16
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	21	0.16
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	1	0.16
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	19	0.16
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	22	0.16
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	1	0.16
(1,2020)	1:73:A:LEU:HD12	1:73:A:LEU:H	21	0.16
(1,2006)	1:71:A:LEU:HD11	1:71:A:LEU:H	9	0.16
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	3	0.16
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	7	0.16
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	22	0.16
(1,1986)	1:109:A:LEU:HD22	1:68:A:GLU:H	13	0.16
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	7	0.16
(1,1951)	1:64:A:GLU:H	1:65:A:LYS:HB3	15	0.16
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	13	0.16
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	10	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	1	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	5	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	7	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	9	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	11	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	17	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	22	0.16
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	25	0.16
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	7	0.16
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	11	0.16
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	12	0.16
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	13	0.16
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	24	0.16
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	18	0.16
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB2	3	0.16
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	4	0.16
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	20	0.16
(1,1806)	1:139:A:ALA:HB3	1:96:A:HIS:H	4	0.16
(1,1806)	1:139:A:ALA:HB2	1:96:A:HIS:H	12	0.16
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	6	0.16
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	15	0.16
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	21	0.16
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	2	0.16
(1,1759)	1:123:A:LEU:HD12	1:77:A:GLN:HG3	25	0.16
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	24	0.16
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	20	0.16
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	24	0.16
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	8	0.16
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	20	0.16
(1,1662)	1:136:A:ALA:HB2	1:137:A:HIS:HD2	2	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	3	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	9	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	10	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	11	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	14	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	17	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	18	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	22	0.16
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	23	0.16
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	8	0.16
(1,1656)	1:135:A:LYS:HD2	1:135:A:LYS:HE2	15	0.16
(1,1647)	1:134:A:LEU:HD23	1:99:A:PHE:HZ	13	0.16
(1,1644)	1:134:A:LEU:HD23	1:105:A:PHE:HD1	7	0.16
(1,1641)	1:134:A:LEU:HD23	1:134:A:LEU:H	13	0.16
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	4	0.16
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	17	0.16
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	18	0.16
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	23	0.16
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	9	0.16
(1,1558)	1:127:A:ILE:HD13	1:127:A:ILE:H	2	0.16
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	5	0.16
(1,1538)	1:127:A:ILE:HA	1:126:A:TYR:HB3	8	0.16
(1,1530)	1:126:A:TYR:HB2	1:112:A:VAL:HG13	25	0.16
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	3	0.16
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	3	0.16
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	4	0.16
(1,1431)	1:119:A:ARG:HD2	1:119:A:ARG:HA	9	0.16
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	24	0.16
(1,1411)	1:118:A:SER:HA	1:120:A:PRO:HD2	10	0.16
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	3	0.16
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	5	0.16
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	12	0.16
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	17	0.16
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	23	0.16
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	25	0.16
(1,1378)	1:114:A:SER:HA	1:117:A:ARG:HB2	3	0.16
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	1	0.16
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	8	0.16
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	17	0.16
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	23	0.16
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD13	10	0.16
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD11	16	0.16
(1,1320)	1:109:A:LEU:HD11	1:63:A:ASN:H	14	0.16
(1,1306)	1:108:A:ILE:HD12	1:107:A:ASN:HB2	3	0.16
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	18	0.16
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	19	0.16
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	7	0.16
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	11	0.16
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	16	0.16
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	20	0.16
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	12	0.16
(1,1263)	1:106:A:CYS:HB2	1:59:A:TYR:HB3	22	0.16
(1,1232)	1:104:A:GLU:HB2	1:102:A:SER:HB2	7	0.16
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	3	0.16
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	6	0.16
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	12	0.16
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:100:A:LEU:HD21	1:100:A:LEU:H	3	0.16
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	14	0.16
(1,1183)	1:100:A:LEU:HD23	1:100:A:LEU:H	20	0.16
(1,1181)	1:100:A:LEU:HD11	1:100:A:LEU:H	4	0.16
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	4	0.16
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	7	0.16
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	12	0.16
(1,1120)	1:95:A:ALA:HA	1:138:A:SER:HB3	7	0.16
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	5	0.16
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	11	0.16
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	13	0.16
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	10	0.16
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	15	0.16
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	4	0.16
(1,1020)	1:88:A:LEU:HD21	1:70:A:PHE:HD1	24	0.16
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	1	0.16
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	13	0.16
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	12	0.16
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	13	0.16
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	17	0.16
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	6	0.16
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	21	0.16
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	10	0.16
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	2	0.16
(1,930)	1:84:A:VAL:HG23	1:83:A:GLU:H	4	0.16
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	12	0.16
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	16	0.16
(1,923)	1:84:A:VAL:HG11	1:88:A:LEU:H	4	0.16
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	17	0.16
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	2	0.16
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	4	0.16
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	10	0.16
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	24	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	3	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	4	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	8	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	10	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	16	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	21	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	23	0.16
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	24	0.16
(1,792)	1:73:A:LEU:HD21	1:70:A:PHE:HD2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:73:A:LEU:HG	1:77:A:GLN:HE21	4	0.16
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	11	0.16
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	2	0.16
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	25	0.16
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	4	0.16
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	13	0.16
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	18	0.16
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	19	0.16
(1,719)	1:129:A:GLU:HG2	1:126:A:TYR:HA	6	0.16
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	5	0.16
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	16	0.16
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	1	0.16
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	12	0.16
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	22	0.16
(1,638)	1:62:A:GLU:HG3	1:62:A:GLU:HA	12	0.16
(1,638)	1:62:A:GLU:HG3	1:62:A:GLU:HA	17	0.16
(1,638)	1:62:A:GLU:HG3	1:62:A:GLU:HA	20	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	7	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	13	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	14	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	18	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	23	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	24	0.16
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	25	0.16
(1,592)	1:59:A:TYR:HB2	1:63:A:ASN:H	17	0.16
(1,589)	1:59:A:TYR:HB3	1:59:A:TYR:H	24	0.16
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	18	0.16
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	6	0.16
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	5	0.16
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	12	0.16
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	16	0.16
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	21	0.16
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	11	0.16
(1,548)	1:62:A:GLU:HB3	1:59:A:TYR:HD1	16	0.16
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	8	0.16
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	17	0.16
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	23	0.16
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	5	0.16
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	8	0.16
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	13	0.16
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	16	0.16
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	22	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	1	0.16
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	11	0.16
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	17	0.16
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	5	0.16
(1,455)	1:83:A:GLU:HG3	1:83:A:GLU:HB3	20	0.16
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	6	0.16
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	11	0.16
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	16	0.16
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	11	0.16
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	22	0.16
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG22	10	0.16
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG23	18	0.16
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	20	0.16
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	2	0.16
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	7	0.16
(1,373)	1:108:A:ILE:HG23	1:108:A:ILE:HG12	10	0.16
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	5	0.16
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	8	0.16
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	11	0.16
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	19	0.16
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	6	0.16
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	24	0.16
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	1	0.16
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	12	0.16
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	20	0.16
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	22	0.16
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	13	0.16
(1,305)	1:100:A:LEU:HD13	1:95:A:ALA:HB3	12	0.16
(1,283)	1:130:A:LEU:HD11	1:133:A:VAL:HG12	17	0.16
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG13	8	0.16
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG11	18	0.16
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG11	21	0.16
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	5	0.16
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD21	12	0.16
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	18	0.16
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD23	21	0.16
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	18	0.16
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	20	0.16
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	5	0.16
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	13	0.16
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	17	0.16
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	2	0.16
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	13	0.16
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	18	0.16
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	21	0.16
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	23	0.16
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	25	0.16
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG23	21	0.16
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB1	9	0.16
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD22	1	0.16
(1,51)	1:88:A:LEU:HD23	1:71:A:LEU:HD23	15	0.16
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	16	0.16
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD22	3	0.16
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD21	12	0.16
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD23	15	0.16
(1,17)	1:61:A:LEU:HD11	1:61:A:LEU:HD22	18	0.16
(1,3579)	1:123:A:LEU:HD13	1:70:A:PHE:HE1	13	0.15
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	4	0.15
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	9	0.15
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	11	0.15
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD13	14	0.15
(1,3552)	1:118:A:SER:H	1:123:A:LEU:HD12	19	0.15
(1,3509)	1:88:A:LEU:HD22	1:130:A:LEU:H	14	0.15
(1,3505)	1:130:A:LEU:H	1:70:A:PHE:HE1	21	0.15
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB1	22	0.15
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	10	0.15
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	20	0.15
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB1	17	0.15
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	23	0.15
(1,3389)	1:95:A:ALA:H	1:96:A:HIS:H	3	0.15
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	3	0.15
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	10	0.15
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG21	23	0.15
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	1	0.15
(1,3299)	1:73:A:LEU:HG	1:76:A:MET:H	3	0.15
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG23	22	0.15
(1,3281)	1:73:A:LEU:H	1:77:A:GLN:H	23	0.15
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	19	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD13	20	0.15
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD23	21	0.15
(1,3266)	1:69:A:GLU:HG3	1:69:A:GLU:H	1	0.15
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	16	0.15
(1,3259)	1:66:A:LEU:HD11	1:67:A:PHE:H	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3184)	1:58:A:CYS:H	1:57:A:LYS:HG3	16	0.15
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	11	0.15
(1,3158)	1:125:A:VAL:HG11	1:129:A:GLU:HG3	24	0.15
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	23	0.15
(1,3145)	1:85:A:VAL:HG22	1:74:A:CYS:H	16	0.15
(1,3134)	1:139:A:ALA:HB2	1:138:A:SER:HB2	14	0.15
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB3	15	0.15
(1,3121)	1:134:A:LEU:HD22	1:95:A:ALA:HA	3	0.15
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	12	0.15
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG22	21	0.15
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG22	24	0.15
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	15	0.15
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD23	12	0.15
(1,3034)	1:135:A:LYS:HA	1:135:A:LYS:HE3	6	0.15
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	8	0.15
(1,3004)	1:108:A:ILE:HA	1:107:A:ASN:HA	19	0.15
(1,2993)	1:101:A:ALA:HA	1:60:A:LYS:HG2	25	0.15
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	4	0.15
(1,2970)	1:95:A:ALA:HB1	1:138:A:SER:HB2	5	0.15
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	25	0.15
(1,2950)	1:91:A:ARG:HB2	1:88:A:LEU:HD23	8	0.15
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	3	0.15
(1,2921)	1:133:A:VAL:HG22	1:108:A:ILE:HB	20	0.15
(1,2920)	1:133:A:VAL:HG21	1:108:A:ILE:HB	3	0.15
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	17	0.15
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	11	0.15
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	7	0.15
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD22	24	0.15
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG23	8	0.15
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	10	0.15
(1,2879)	1:71:A:LEU:HD21	1:74:A:CYS:HB2	3	0.15
(1,2879)	1:71:A:LEU:HD23	1:74:A:CYS:HB2	4	0.15
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	1	0.15
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	12	0.15
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	15	0.15
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	13	0.15
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	8	0.15
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	14	0.15
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	16	0.15
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	4	0.15
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	21	0.15
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	22	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:76:A:MET:HB3	1:77:A:GLN:HE21	19	0.15
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	18	0.15
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	1	0.15
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	10	0.15
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	3	0.15
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	15	0.15
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	3	0.15
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	8	0.15
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	22	0.15
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	3	0.15
(1,2801)	1:85:A:VAL:HG22	1:75:A:LYS:HE2	11	0.15
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	12	0.15
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD23	21	0.15
(1,2768)	1:113:A:LEU:HD11	1:66:A:LEU:HD22	2	0.15
(1,2762)	1:73:A:LEU:HD23	1:70:A:PHE:HA	20	0.15
(1,2748)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	6	0.15
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	15	0.15
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	6	0.15
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	10	0.15
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	12	0.15
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	16	0.15
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	1	0.15
(1,2654)	1:81:A:HIS:HD2	1:81:A:HIS:H	13	0.15
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	17	0.15
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	24	0.15
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	6	0.15
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB3	16	0.15
(1,2606)	1:103:A:ALA:HB2	1:59:A:TYR:HE1	5	0.15
(1,2606)	1:103:A:ALA:HB3	1:59:A:TYR:HE1	17	0.15
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	9	0.15
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	12	0.15
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	20	0.15
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	24	0.15
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	1	0.15
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	5	0.15
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	10	0.15
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	13	0.15
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	8	0.15
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	2	0.15
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	12	0.15
(1,2464)	1:127:A:ILE:HG12	1:128:A:ASN:HD22	20	0.15
(1,2423)	1:125:A:VAL:H	1:124:A:TYR:HD1	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	14	0.15
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	15	0.15
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	4	0.15
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	8	0.15
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	13	0.15
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	25	0.15
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	18	0.15
(1,2234)	1:99:A:PHE:H	1:99:A:PHE:HD1	9	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	1	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	3	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	9	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	10	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	12	0.15
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	25	0.15
(1,2171)	1:92:A:GLN:HG3	1:92:A:GLN:H	22	0.15
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	4	0.15
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	7	0.15
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	14	0.15
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	23	0.15
(1,2119)	1:71:A:LEU:HD11	1:88:A:LEU:H	15	0.15
(1,2119)	1:71:A:LEU:HD11	1:88:A:LEU:H	21	0.15
(1,2114)	1:87:A:PHE:H	1:87:A:PHE:HD2	3	0.15
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	13	0.15
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	22	0.15
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	10	0.15
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	14	0.15
(1,2083)	1:84:A:VAL:HG22	1:80:A:ASP:H	20	0.15
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	7	0.15
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	5	0.15
(1,2039)	1:73:A:LEU:HD21	1:76:A:MET:H	16	0.15
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	20	0.15
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	21	0.15
(1,2006)	1:71:A:LEU:HD13	1:71:A:LEU:H	15	0.15
(1,1986)	1:109:A:LEU:HD23	1:68:A:GLU:H	1	0.15
(1,1986)	1:109:A:LEU:HD23	1:68:A:GLU:H	3	0.15
(1,1986)	1:109:A:LEU:HD21	1:68:A:GLU:H	18	0.15
(1,1986)	1:109:A:LEU:HD21	1:68:A:GLU:H	24	0.15
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	3	0.15
(1,1930)	1:63:A:ASN:H	1:64:A:GLU:HG2	23	0.15
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG11	2	0.15
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	1	0.15
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	19	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	2	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	4	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	6	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	12	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	13	0.15
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	16	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	4	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	5	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	6	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	8	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	10	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	20	0.15
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	23	0.15
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD22	7	0.15
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB2	8	0.15
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB3	13	0.15
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB3	18	0.15
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB3	21	0.15
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	17	0.15
(1,1825)	1:60:A:LYS:H	1:58:A:CYS:HB3	25	0.15
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	8	0.15
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	11	0.15
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	15	0.15
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	19	0.15
(1,1800)	1:66:A:LEU:HD23	1:66:A:LEU:H	1	0.15
(1,1785)	1:71:A:LEU:HD23	1:71:A:LEU:H	25	0.15
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	11	0.15
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD23	12	0.15
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD23	18	0.15
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD21	24	0.15
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	8	0.15
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	17	0.15
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	18	0.15
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	25	0.15
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	4	0.15
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	5	0.15
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	11	0.15
(1,1718)	1:130:A:LEU:HD11	1:133:A:VAL:H	6	0.15
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	22	0.15
(1,1663)	1:136:A:ALA:HB1	1:137:A:HIS:HA	18	0.15
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	7	0.15
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	13	0.15
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	5	0.15
(1,1647)	1:134:A:LEU:HD21	1:99:A:PHE:HZ	19	0.15
(1,1644)	1:134:A:LEU:HD22	1:105:A:PHE:HD1	24	0.15
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	5	0.15
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	6	0.15
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	9	0.15
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	13	0.15
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	17	0.15
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	25	0.15
(1,1569)	1:128:A:ASN:HA	1:131:A:CYS:HB2	20	0.15
(1,1550)	1:127:A:ILE:HG23	1:124:A:TYR:HD1	3	0.15
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	18	0.15
(1,1484)	1:123:A:LEU:HD23	1:124:A:TYR:HD1	14	0.15
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	4	0.15
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	25	0.15
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	3	0.15
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	4	0.15
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	3	0.15
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	8	0.15
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	3	0.15
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	24	0.15
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	4	0.15
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	22	0.15
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	16	0.15
(1,1390)	1:115:A:ARG:HD2	1:126:A:TYR:HE1	7	0.15
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	1	0.15
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	3	0.15
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	2	0.15
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	11	0.15
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	25	0.15
(1,1343)	1:111:A:ARG:HD2	1:111:A:ARG:HB2	10	0.15
(1,1341)	1:111:A:ARG:HA	1:111:A:ARG:HG3	10	0.15
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	6	0.15
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	20	0.15
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD13	22	0.15
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	23	0.15
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	13	0.15
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	15	0.15
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	5	0.15
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	22	0.15
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD13	19	0.15
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD11	21	0.15
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	12	0.15
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	25	0.15
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	10	0.15
(1,1181)	1:100:A:LEU:HD12	1:100:A:LEU:H	2	0.15
(1,1181)	1:100:A:LEU:HD12	1:100:A:LEU:H	23	0.15
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	2	0.15
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	25	0.15
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	22	0.15
(1,1095)	1:134:A:LEU:HD22	1:92:A:GLN:HB3	3	0.15
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	5	0.15
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	1	0.15
(1,1052)	1:91:A:ARG:HA	1:91:A:ARG:HG3	10	0.15
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	15	0.15
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	17	0.15
(1,1002)	1:88:A:LEU:HG	1:67:A:PHE:HE1	16	0.15
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	17	0.15
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	22	0.15
(1,976)	1:87:A:PHE:HA	1:87:A:PHE:HD1	3	0.15
(1,930)	1:84:A:VAL:HG21	1:83:A:GLU:H	6	0.15
(1,930)	1:84:A:VAL:HG23	1:83:A:GLU:H	18	0.15
(1,925)	1:84:A:VAL:HG13	1:124:A:TYR:HD1	14	0.15
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	6	0.15
(1,857)	1:80:A:ASP:HA	1:82:A:PRO:HD2	19	0.15
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	14	0.15
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	21	0.15
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	15	0.15
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	5	0.15
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	15	0.15
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	23	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	1	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	5	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	7	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	11	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	12	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	14	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	18	0.15
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	19	0.15
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD22	8	0.15
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD22	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:71:A:LEU:HD11	1:67:A:PHE:HD2	9	0.15
(1,762)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	14	0.15
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	16	0.15
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	20	0.15
(1,760)	1:71:A:LEU:HD11	1:68:A:GLU:HA	9	0.15
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	4	0.15
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	21	0.15
(1,724)	1:69:A:GLU:HG2	1:65:A:LYS:HG2	2	0.15
(1,724)	1:69:A:GLU:HG2	1:65:A:LYS:HG2	18	0.15
(1,723)	1:129:A:GLU:HG2	1:125:A:VAL:HG12	21	0.15
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	2	0.15
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	16	0.15
(1,701)	1:66:A:LEU:HD23	1:69:A:GLU:H	13	0.15
(1,688)	1:66:A:LEU:HD11	1:110:A:SER:HA	22	0.15
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	25	0.15
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	11	0.15
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	24	0.15
(1,658)	1:64:A:GLU:HG2	1:65:A:LYS:H	9	0.15
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	2	0.15
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	1	0.15
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	5	0.15
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	16	0.15
(1,592)	1:59:A:TYR:HB2	1:63:A:ASN:H	10	0.15
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	1	0.15
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	3	0.15
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	6	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	1	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	3	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	4	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	7	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	9	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	10	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	13	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	14	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	15	0.15
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	24	0.15
(1,565)	1:57:A:LYS:HD2	1:57:A:LYS:HA	12	0.15
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE2	1	0.15
(1,555)	1:57:A:LYS:HE3	1:59:A:TYR:HE1	7	0.15
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	22	0.15
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	24	0.15
(1,501)	1:142:A:LYS:HB3	1:142:A:LYS:HG2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:77:A:GLN:HG3	1:77:A:GLN:HB3	3	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	2	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	4	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	7	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	10	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	11	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	12	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	14	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	18	0.15
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	20	0.15
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	14	0.15
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	6	0.15
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	9	0.15
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	24	0.15
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	19	0.15
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	8	0.15
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	7	0.15
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	9	0.15
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	14	0.15
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	18	0.15
(1,437)	1:75:A:LYS:HA	1:85:A:VAL:HG21	14	0.15
(1,403)	1:70:A:PHE:HA	1:70:A:PHE:HD2	14	0.15
(1,402)	1:101:A:ALA:HB3	1:60:A:LYS:HA	25	0.15
(1,373)	1:108:A:ILE:HG23	1:108:A:ILE:HG12	6	0.15
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	9	0.15
(1,373)	1:108:A:ILE:HG23	1:108:A:ILE:HG12	13	0.15
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	19	0.15
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	22	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	1	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	2	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	3	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	4	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	7	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	9	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	15	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	16	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	20	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	22	0.15
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	25	0.15
(1,333)	1:79:A:ALA:HB2	1:79:A:ALA:HA	9	0.15
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	16	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB1	8	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	10	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	11	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	13	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB1	18	0.15
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB1	19	0.15
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	18	0.15
(1,305)	1:100:A:LEU:HD12	1:95:A:ALA:HB3	4	0.15
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	2	0.15
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG11	5	0.15
(1,265)	1:112:A:VAL:HG22	1:112:A:VAL:HG13	7	0.15
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG13	24	0.15
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG11	25	0.15
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD23	2	0.15
(1,260)	1:100:A:LEU:HD13	1:100:A:LEU:HD21	13	0.15
(1,260)	1:100:A:LEU:HD12	1:100:A:LEU:HD22	19	0.15
(1,255)	1:100:A:LEU:HD23	1:134:A:LEU:HD22	3	0.15
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD11	13	0.15
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	2	0.15
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	8	0.15
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	14	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	1	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	3	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	6	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	7	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	8	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	10	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	12	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	14	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	16	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	22	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	24	0.15
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	25	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	4	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	5	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	6	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	7	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	10	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	14	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	16	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	20	0.15
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	22	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	24	0.15
(1,101)	1:116:A:ALA:HB1	1:112:A:VAL:HG22	14	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG13	1	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	2	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	4	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	6	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	8	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG13	9	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	10	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	11	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	12	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG11	13	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	14	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	15	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	16	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG13	17	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	18	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	19	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG13	20	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG13	21	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	22	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	23	0.15
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	24	0.15
(1,69)	1:85:A:VAL:HG12	1:85:A:VAL:HG11	25	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	1	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	2	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	3	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	4	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	5	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	6	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	7	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	8	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	9	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	10	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	11	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	12	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	13	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	14	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	15	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	16	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	17	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	19	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	20	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD13	21	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	22	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	23	0.15
(1,47)	1:108:A:ILE:HD12	1:108:A:ILE:HD11	24	0.15
(1,47)	1:108:A:ILE:HD11	1:108:A:ILE:HD13	25	0.15
(1,17)	1:61:A:LEU:HD12	1:61:A:LEU:HD23	2	0.15
(1,17)	1:61:A:LEU:HD13	1:61:A:LEU:HD22	8	0.15
(1,3579)	1:123:A:LEU:HD13	1:70:A:PHE:HE1	3	0.14
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	4	0.14
(1,3554)	1:117:A:ARG:H	1:73:A:LEU:HD13	7	0.14
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	15	0.14
(1,3515)	1:131:A:CYS:H	1:133:A:VAL:HG22	15	0.14
(1,3505)	1:130:A:LEU:H	1:126:A:TYR:HD1	14	0.14
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB3	1	0.14
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB1	14	0.14
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	7	0.14
(1,3476)	1:125:A:VAL:H	1:126:A:TYR:HE2	23	0.14
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	6	0.14
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	22	0.14
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB3	9	0.14
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	4	0.14
(1,3400)	1:95:A:ALA:HB3	1:100:A:LEU:H	10	0.14
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB2	7	0.14
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	9	0.14
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	5	0.14
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	23	0.14
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	18	0.14
(1,3332)	1:87:A:PHE:H	1:88:A:LEU:HG	25	0.14
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG22	9	0.14
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	21	0.14
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG22	25	0.14
(1,3282)	1:73:A:LEU:H	1:74:A:CYS:HB2	23	0.14
(1,3279)	1:72:A:GLU:H	1:74:A:CYS:HB2	15	0.14
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD22	14	0.14
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	10	0.14
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	15	0.14
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	18	0.14
(1,3269)	1:66:A:LEU:HD23	1:69:A:GLU:H	7	0.14
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	1	0.14
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	10	0.14
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	17	0.14
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	22	0.14
(1,3240)	1:63:A:ASN:H	1:60:A:LYS:HD2	4	0.14
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	8	0.14
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	10	0.14
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	8	0.14
(1,3214)	1:131:A:CYS:H	1:129:A:GLU:HB3	18	0.14
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	3	0.14
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	3	0.14
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	11	0.14
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB2	5	0.14
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB1	13	0.14
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	23	0.14
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	8	0.14
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	25	0.14
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	9	0.14
(1,3086)	1:127:A:ILE:HD11	1:70:A:PHE:HE1	21	0.14
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD23	17	0.14
(1,3040)	1:116:A:ALA:HB1	1:123:A:LEU:HB2	19	0.14
(1,3021)	1:112:A:VAL:HA	1:126:A:TYR:HE1	25	0.14
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	8	0.14
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB2	22	0.14
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	13	0.14
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	23	0.14
(1,2983)	1:100:A:LEU:HD13	1:95:A:ALA:HA	12	0.14
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB3	7	0.14
(1,2975)	1:113:A:LEU:HD12	1:69:A:GLU:H	8	0.14
(1,2964)	1:94:A:ARG:HB3	1:91:A:ARG:HA	16	0.14
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD12	4	0.14
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	13	0.14
(1,2931)	1:88:A:LEU:HD13	1:71:A:LEU:H	4	0.14
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	7	0.14
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG21	6	0.14
(1,2875)	1:71:A:LEU:HD11	1:75:A:LYS:HE2	8	0.14
(1,2873)	1:71:A:LEU:HB3	1:75:A:LYS:HE2	10	0.14
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	11	0.14
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	7	0.14
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	9	0.14
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD11	15	0.14
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	4	0.14
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2836)	1:140:A:LYS:HB3	1:140:A:LYS:HA	18	0.14
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	4	0.14
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	5	0.14
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	14	0.14
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	19	0.14
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	2	0.14
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	17	0.14
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	18	0.14
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	19	0.14
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	20	0.14
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	23	0.14
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	9	0.14
(1,2803)	1:125:A:VAL:HG13	1:125:A:VAL:HA	20	0.14
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	23	0.14
(1,2801)	1:85:A:VAL:HG22	1:75:A:LYS:HE2	12	0.14
(1,2780)	1:123:A:LEU:HD13	1:70:A:PHE:HE2	16	0.14
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD22	13	0.14
(1,2769)	1:61:A:LEU:HD12	1:61:A:LEU:HB3	15	0.14
(1,2767)	1:113:A:LEU:HD23	1:113:A:LEU:HB3	13	0.14
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	7	0.14
(1,2733)	1:134:A:LEU:HD23	1:130:A:LEU:HG	6	0.14
(1,2733)	1:134:A:LEU:HD21	1:130:A:LEU:HG	14	0.14
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	7	0.14
(1,2695)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	8	0.14
(1,2686)	1:59:A:TYR:H	1:59:A:TYR:HD1	24	0.14
(1,2681)	1:103:A:ALA:H	1:59:A:TYR:HE1	4	0.14
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	2	0.14
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	15	0.14
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	6	0.14
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	21	0.14
(1,2642)	1:89:A:TYR:HE1	1:93:A:GLN:HE21	24	0.14
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	5	0.14
(1,2620)	1:81:A:HIS:HB3	1:124:A:TYR:HE1	22	0.14
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	21	0.14
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	25	0.14
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB2	19	0.14
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB2	25	0.14
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	1	0.14
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	15	0.14
(1,2577)	1:112:A:VAL:HG12	1:115:A:ARG:H	6	0.14
(1,2550)	1:144:A:ASN:H	1:142:A:LYS:HG2	23	0.14
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	20	0.14
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD23	8	0.14
(1,2501)	1:134:A:LEU:HD13	1:134:A:LEU:H	15	0.14
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	18	0.14
(1,2501)	1:134:A:LEU:HD12	1:134:A:LEU:H	20	0.14
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	24	0.14
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	9	0.14
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	16	0.14
(1,2407)	1:123:A:LEU:H	1:124:A:TYR:HD2	22	0.14
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	25	0.14
(1,2328)	1:107:A:ASN:HD22	1:103:A:ALA:HB3	18	0.14
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	7	0.14
(1,2288)	1:104:A:GLU:H	1:102:A:SER:HA	20	0.14
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	14	0.14
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	24	0.14
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	6	0.14
(1,2185)	1:93:A:GLN:H	1:92:A:GLN:HB2	3	0.14
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	6	0.14
(1,2174)	1:92:A:GLN:HE21	1:105:A:PHE:HE2	18	0.14
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	11	0.14
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	2	0.14
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	16	0.14
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	3	0.14
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	6	0.14
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	18	0.14
(1,2083)	1:84:A:VAL:HG23	1:80:A:ASP:H	7	0.14
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	5	0.14
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	11	0.14
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	14	0.14
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	17	0.14
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	20	0.14
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	23	0.14
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	19	0.14
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	11	0.14
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	16	0.14
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	24	0.14
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	17	0.14
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	10	0.14
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	20	0.14
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	16	0.14
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	3	0.14
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	15	0.14
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	18	0.14
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	21	0.14
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	24	0.14
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	3	0.14
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	14	0.14
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	22	0.14
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	25	0.14
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB1	4	0.14
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	1	0.14
(1,1830)	1:85:A:VAL:HG23	1:74:A:CYS:H	2	0.14
(1,1830)	1:85:A:VAL:HG23	1:74:A:CYS:H	5	0.14
(1,1822)	1:56:A:LYS:H	1:56:A:LYS:HG2	2	0.14
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	15	0.14
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	10	0.14
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	14	0.14
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	18	0.14
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	4	0.14
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	24	0.14
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD22	13	0.14
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	3	0.14
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	1	0.14
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	4	0.14
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	8	0.14
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	11	0.14
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	21	0.14
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	23	0.14
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	6	0.14
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	21	0.14
(1,1681)	1:138:A:SER:HB2	1:141:A:LYS:HD2	12	0.14
(1,1674)	1:138:A:SER:HB2	1:139:A:ALA:H	16	0.14
(1,1674)	1:138:A:SER:HB2	1:139:A:ALA:H	22	0.14
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	1	0.14
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	17	0.14
(1,1659)	1:136:A:ALA:HA	1:135:A:LYS:H	8	0.14
(1,1641)	1:134:A:LEU:HD21	1:134:A:LEU:H	21	0.14
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	7	0.14
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	14	0.14
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	5	0.14
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	8	0.14
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	20	0.14
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB2	21	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	1	0.14
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	4	0.14
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	7	0.14
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	14	0.14
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	24	0.14
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	7	0.14
(1,1558)	1:127:A:ILE:HD13	1:127:A:ILE:H	23	0.14
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	24	0.14
(1,1517)	1:125:A:VAL:HG23	1:124:A:TYR:H	6	0.14
(1,1517)	1:125:A:VAL:HG23	1:124:A:TYR:H	9	0.14
(1,1484)	1:123:A:LEU:HD22	1:124:A:TYR:HD1	25	0.14
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	8	0.14
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	23	0.14
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	24	0.14
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	8	0.14
(1,1467)	1:122:A:LYS:HE2	1:122:A:LYS:HG3	20	0.14
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	9	0.14
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	10	0.14
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	16	0.14
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	17	0.14
(1,1439)	1:120:A:PRO:HA	1:126:A:TYR:HD2	18	0.14
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	5	0.14
(1,1433)	1:119:A:ARG:HD2	1:126:A:TYR:HE2	17	0.14
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	25	0.14
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	8	0.14
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	11	0.14
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	17	0.14
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	4	0.14
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	8	0.14
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	10	0.14
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	13	0.14
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	18	0.14
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	21	0.14
(1,1361)	1:112:A:VAL:HG22	1:70:A:PHE:HE2	9	0.14
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD11	18	0.14
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	1	0.14
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD12	24	0.14
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	6	0.14
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	7	0.14
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	14	0.14
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	24	0.14
(1,1294)	1:108:A:ILE:HG21	1:111:A:ARG:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:108:A:ILE:HA	1:111:A:ARG:HG2	5	0.14
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD12	3	0.14
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	16	0.14
(1,1232)	1:104:A:GLU:HB2	1:102:A:SER:HB2	15	0.14
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	10	0.14
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	23	0.14
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	13	0.14
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	8	0.14
(1,1214)	1:102:A:SER:HB2	1:101:A:ALA:H	22	0.14
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	13	0.14
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	14	0.14
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD22	19	0.14
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	23	0.14
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	2	0.14
(1,1181)	1:100:A:LEU:HD13	1:100:A:LEU:H	21	0.14
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD13	2	0.14
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	17	0.14
(1,1122)	1:134:A:LEU:HA	1:95:A:ALA:HB1	4	0.14
(1,1122)	1:134:A:LEU:HA	1:95:A:ALA:HB2	22	0.14
(1,1119)	1:95:A:ALA:HA	1:138:A:SER:HB2	9	0.14
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	3	0.14
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	24	0.14
(1,1114)	1:117:A:ARG:HD2	1:117:A:ARG:H	12	0.14
(1,1114)	1:117:A:ARG:HD2	1:117:A:ARG:H	21	0.14
(1,1110)	1:117:A:ARG:HD2	1:113:A:LEU:HD23	17	0.14
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	2	0.14
(1,1077)	1:91:A:ARG:HD2	1:134:A:LEU:HB3	1	0.14
(1,1070)	1:91:A:ARG:HD3	1:135:A:LYS:H	2	0.14
(1,1060)	1:91:A:ARG:HB2	1:134:A:LEU:HD21	15	0.14
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	5	0.14
(1,1008)	1:88:A:LEU:HD13	1:74:A:CYS:H	18	0.14
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	2	0.14
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	18	0.14
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	10	0.14
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	11	0.14
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	15	0.14
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	18	0.14
(1,956)	1:85:A:VAL:HG13	1:86:A:PRO:HG3	24	0.14
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	23	0.14
(1,933)	1:133:A:VAL:HG21	1:132:A:THR:HB	19	0.14
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	23	0.14
(1,930)	1:84:A:VAL:HG23	1:83:A:GLU:H	24	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	2	0.14
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	12	0.14
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG21	6	0.14
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG23	22	0.14
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	25	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	4	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	5	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	7	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	10	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	11	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	13	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	14	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	16	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	19	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	20	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	22	0.14
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	23	0.14
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	3	0.14
(1,825)	1:76:A:MET:HB3	1:73:A:LEU:HA	25	0.14
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	2	0.14
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	6	0.14
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	9	0.14
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	13	0.14
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	15	0.14
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	22	0.14
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	22	0.14
(1,775)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	15	0.14
(1,760)	1:71:A:LEU:HD13	1:68:A:GLU:HA	3	0.14
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	5	0.14
(1,724)	1:69:A:GLU:HG2	1:65:A:LYS:HG2	13	0.14
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	14	0.14
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	17	0.14
(1,691)	1:62:A:GLU:HG3	1:66:A:LEU:HD12	2	0.14
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	16	0.14
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	2	0.14
(1,688)	1:66:A:LEU:HD12	1:110:A:SER:HA	8	0.14
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	12	0.14
(1,664)	1:65:A:LYS:HA	1:68:A:GLU:H	6	0.14
(1,664)	1:65:A:LYS:HA	1:68:A:GLU:H	25	0.14
(1,638)	1:62:A:GLU:HG3	1:62:A:GLU:HA	8	0.14
(1,610)	1:60:A:LYS:HB2	1:60:A:LYS:H	7	0.14
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	9	0.14
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	15	0.14
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	14	0.14
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	25	0.14
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	15	0.14
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	11	0.14
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	17	0.14
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	23	0.14
(1,570)	1:57:A:LYS:HG3	1:57:A:LYS:HE2	12	0.14
(1,570)	1:57:A:LYS:HG3	1:57:A:LYS:HE2	14	0.14
(1,560)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	9	0.14
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD11	17	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	1	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	3	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	4	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	5	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	8	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	10	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	11	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	12	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	13	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	14	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	16	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	17	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	18	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	21	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	23	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	24	0.14
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	25	0.14
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	24	0.14
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	7	0.14
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	25	0.14
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	21	0.14
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	3	0.14
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	12	0.14
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	15	0.14
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	20	0.14
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	25	0.14
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	1	0.14
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	3	0.14
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	7	0.14
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	12	0.14
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	12	0.14
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	17	0.14
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	1	0.14
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	10	0.14
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	8	0.14
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	7	0.14
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	18	0.14
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	24	0.14
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	25	0.14
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	6	0.14
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	12	0.14
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	13	0.14
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	14	0.14
(1,350)	1:86:A:PRO:HB2	1:86:A:PRO:HA	21	0.14
(1,333)	1:79:A:ALA:HB2	1:79:A:ALA:HA	2	0.14
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	4	0.14
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	12	0.14
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	22	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	3	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	4	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	6	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	7	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB1	9	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	14	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	15	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	16	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	17	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB3	23	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	24	0.14
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB1	25	0.14
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	7	0.14
(1,312)	1:117:A:ARG:HD3	1:117:A:ARG:HB2	25	0.14
(1,310)	1:95:A:ALA:HB1	1:100:A:LEU:HG	3	0.14
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	22	0.14
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG11	11	0.14
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG11	14	0.14
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG12	15	0.14
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG12	23	0.14
(1,256)	1:100:A:LEU:HD23	1:105:A:PHE:HE2	7	0.14
(1,256)	1:100:A:LEU:HD23	1:105:A:PHE:HE2	18	0.14
(1,238)	1:134:A:LEU:HD12	1:134:A:LEU:HD22	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD13	14	0.14
(1,234)	1:73:A:LEU:HD23	1:123:A:LEU:HD12	18	0.14
(1,226)	1:123:A:LEU:HD11	1:70:A:PHE:HZ	7	0.14
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	1	0.14
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	3	0.14
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	2	0.14
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	4	0.14
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	15	0.14
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	19	0.14
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD22	16	0.14
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	22	0.14
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	3	0.14
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	8	0.14
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	12	0.14
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	15	0.14
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	19	0.14
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB2	2	0.14
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB2	7	0.14
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	3	0.14
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	5	0.14
(1,69)	1:85:A:VAL:HG11	1:85:A:VAL:HG13	7	0.14
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	11	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	1	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	2	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	3	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	4	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	5	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	6	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	7	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	8	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	9	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	10	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	11	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	12	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	13	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	14	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	15	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	16	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	17	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	18	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	19	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	21	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB3	22	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	23	0.14
(1,41)	1:103:A:ALA:HB2	1:103:A:ALA:HB1	24	0.14
(1,41)	1:103:A:ALA:HB1	1:103:A:ALA:HB3	25	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	1	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	2	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	3	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	4	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	5	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	6	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	7	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	8	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	9	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	10	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	11	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	12	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	13	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	14	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	15	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	16	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	17	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	18	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	19	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	20	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	21	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD11	22	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	23	0.14
(1,7)	1:88:A:LEU:HD12	1:88:A:LEU:HD13	24	0.14
(1,7)	1:88:A:LEU:HD11	1:88:A:LEU:HD13	25	0.14
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	25	0.13
(1,3558)	1:115:A:ARG:H	1:111:A:ARG:HB3	6	0.13
(1,3529)	1:136:A:ALA:H	1:135:A:LYS:HE3	3	0.13
(1,3523)	1:130:A:LEU:HD13	1:133:A:VAL:H	7	0.13
(1,3509)	1:88:A:LEU:HD21	1:130:A:LEU:H	18	0.13
(1,3505)	1:130:A:LEU:H	1:126:A:TYR:HD1	11	0.13
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG23	3	0.13
(1,3496)	1:128:A:ASN:HD21	1:125:A:VAL:HG22	13	0.13
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	4	0.13
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	8	0.13
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	18	0.13
(1,3397)	1:99:A:PHE:H	1:95:A:ALA:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB2	9	0.13
(1,3397)	1:99:A:PHE:H	1:95:A:ALA:HB1	14	0.13
(1,3370)	1:100:A:LEU:HD11	1:92:A:GLN:HE21	8	0.13
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	10	0.13
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	5	0.13
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	16	0.13
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	20	0.13
(1,3361)	1:91:A:ARG:H	1:93:A:GLN:HB2	21	0.13
(1,3315)	1:85:A:VAL:HG22	1:78:A:THR:H	3	0.13
(1,3290)	1:74:A:CYS:H	1:78:A:THR:HG21	11	0.13
(1,3269)	1:66:A:LEU:HD21	1:69:A:GLU:H	2	0.13
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	20	0.13
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	4	0.13
(1,3240)	1:63:A:ASN:H	1:60:A:LYS:HD2	7	0.13
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	9	0.13
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	16	0.13
(1,3237)	1:63:A:ASN:H	1:61:A:LEU:HA	17	0.13
(1,3169)	1:142:A:LYS:HG2	1:142:A:LYS:H	11	0.13
(1,3169)	1:141:A:LYS:HG3	1:142:A:LYS:H	18	0.13
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	3	0.13
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	17	0.13
(1,3162)	1:73:A:LEU:HD22	1:117:A:ARG:HA	18	0.13
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	1	0.13
(1,3151)	1:116:A:ALA:HB2	1:123:A:LEU:HD12	10	0.13
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	4	0.13
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	17	0.13
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	18	0.13
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG23	22	0.13
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	24	0.13
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD21	19	0.13
(1,3046)	1:120:A:PRO:HA	1:123:A:LEU:HB3	7	0.13
(1,3032)	1:113:A:LEU:HD11	1:112:A:VAL:HG23	8	0.13
(1,3021)	1:112:A:VAL:HA	1:126:A:TYR:HE1	20	0.13
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	10	0.13
(1,2999)	1:106:A:CYS:HA	1:103:A:ALA:HA	23	0.13
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	1	0.13
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	2	0.13
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	8	0.13
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	10	0.13
(1,2969)	1:95:A:ALA:HB1	1:137:A:HIS:HB2	18	0.13
(1,2964)	1:94:A:ARG:HB3	1:91:A:ARG:HA	13	0.13
(1,2957)	1:91:A:ARG:HD2	1:134:A:LEU:HD11	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	2	0.13
(1,2920)	1:133:A:VAL:HG22	1:108:A:ILE:HB	20	0.13
(1,2903)	1:79:A:ALA:HB1	1:77:A:GLN:HA	5	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG23	2	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	4	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG23	7	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	13	0.13
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	18	0.13
(1,2885)	1:73:A:LEU:HD13	1:70:A:PHE:HB2	19	0.13
(1,2879)	1:71:A:LEU:HD21	1:74:A:CYS:HB2	8	0.13
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	14	0.13
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	16	0.13
(1,2868)	1:72:A:GLU:HG2	1:71:A:LEU:HB2	18	0.13
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	4	0.13
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	14	0.13
(1,2859)	1:75:A:LYS:HE2	1:85:A:VAL:HB	24	0.13
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	20	0.13
(1,2845)	1:141:A:LYS:HE2	1:138:A:SER:HB2	18	0.13
(1,2845)	1:65:A:LYS:HE2	1:62:A:GLU:HA	23	0.13
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	19	0.13
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	11	0.13
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	14	0.13
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	13	0.13
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	19	0.13
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	7	0.13
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	18	0.13
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	20	0.13
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	24	0.13
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	16	0.13
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	21	0.13
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	24	0.13
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	9	0.13
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	6	0.13
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	8	0.13
(1,2803)	1:125:A:VAL:HG13	1:125:A:VAL:HA	24	0.13
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	25	0.13
(1,2801)	1:85:A:VAL:HG23	1:75:A:LYS:HE2	16	0.13
(1,2801)	1:85:A:VAL:HG22	1:75:A:LYS:HE2	21	0.13
(1,2769)	1:61:A:LEU:HD12	1:61:A:LEU:HB3	19	0.13
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD23	23	0.13
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	14	0.13
(1,2748)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:101:A:ALA:HB1	1:60:A:LYS:HD3	13	0.13
(1,2736)	1:121:A:ALA:HB3	1:120:A:PRO:HG2	9	0.13
(1,2685)	1:84:A:VAL:HG13	1:124:A:TYR:HE1	3	0.13
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	10	0.13
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	11	0.13
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	24	0.13
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	7	0.13
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	10	0.13
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	2	0.13
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	15	0.13
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	1	0.13
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	7	0.13
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	12	0.13
(1,2604)	1:139:A:ALA:HA	1:96:A:HIS:HD2	19	0.13
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	4	0.13
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	11	0.13
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	19	0.13
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	25	0.13
(1,2577)	1:112:A:VAL:HG11	1:115:A:ARG:H	9	0.13
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	3	0.13
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	11	0.13
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	9	0.13
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	17	0.13
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	19	0.13
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	24	0.13
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD13	6	0.13
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	10	0.13
(1,2305)	1:106:A:CYS:H	1:105:A:PHE:HD2	9	0.13
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	5	0.13
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	13	0.13
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	20	0.13
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	21	0.13
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	2	0.13
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	16	0.13
(1,2185)	1:93:A:GLN:H	1:92:A:GLN:HB2	9	0.13
(1,2159)	1:91:A:ARG:H	1:94:A:ARG:HG2	8	0.13
(1,2141)	1:90:A:ASN:HD21	1:92:A:GLN:H	17	0.13
(1,2119)	1:71:A:LEU:HD11	1:88:A:LEU:H	1	0.13
(1,2119)	1:71:A:LEU:HD12	1:88:A:LEU:H	9	0.13
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	17	0.13
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	1	0.13
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	24	0.13
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	15	0.13
(1,2067)	1:78:A:THR:H	1:78:A:THR:HB	25	0.13
(1,2063)	1:78:A:THR:H	1:77:A:GLN:HB3	19	0.13
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	2	0.13
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	5	0.13
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	10	0.13
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	14	0.13
(1,1997)	1:88:A:LEU:H	1:87:A:PHE:HD1	19	0.13
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	9	0.13
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	16	0.13
(1,1986)	1:109:A:LEU:HD22	1:68:A:GLU:H	14	0.13
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	11	0.13
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	16	0.13
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	23	0.13
(1,1968)	1:66:A:LEU:HD11	1:66:A:LEU:H	11	0.13
(1,1959)	1:65:A:LYS:HG2	1:65:A:LYS:H	23	0.13
(1,1877)	1:136:A:ALA:H	1:135:A:LYS:HD2	7	0.13
(1,1873)	1:129:A:GLU:H	1:112:A:VAL:HG12	15	0.13
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	8	0.13
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	1	0.13
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	9	0.13
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	15	0.13
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	17	0.13
(1,1851)	1:98:A:LEU:HD11	1:98:A:LEU:H	2	0.13
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	19	0.13
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD22	21	0.13
(1,1812)	1:131:A:CYS:HB3	1:131:A:CYS:H	19	0.13
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	6	0.13
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	12	0.13
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	17	0.13
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	24	0.13
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	9	0.13
(1,1800)	1:66:A:LEU:HD22	1:66:A:LEU:H	12	0.13
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	2	0.13
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	15	0.13
(1,1785)	1:71:A:LEU:HD23	1:71:A:LEU:H	20	0.13
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	15	0.13
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	18	0.13
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD21	5	0.13
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD21	8	0.13
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD22	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:112:A:VAL:HG13	1:129:A:GLU:HG2	4	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	4	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	5	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	12	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	17	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	18	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	21	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	22	0.13
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	25	0.13
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	3	0.13
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	14	0.13
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	16	0.13
(1,1739)	1:66:A:LEU:HD22	1:69:A:GLU:HG2	8	0.13
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	13	0.13
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	14	0.13
(1,1720)	1:85:A:VAL:HG12	1:89:A:TYR:H	24	0.13
(1,1718)	1:130:A:LEU:HD12	1:133:A:VAL:H	15	0.13
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	7	0.13
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	13	0.13
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB1	11	0.13
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB3	24	0.13
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	20	0.13
(1,1661)	1:136:A:ALA:HB3	1:133:A:VAL:H	22	0.13
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	2	0.13
(1,1644)	1:134:A:LEU:HD21	1:105:A:PHE:HD1	14	0.13
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	1	0.13
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	11	0.13
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	18	0.13
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	5	0.13
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	9	0.13
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	21	0.13
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	7	0.13
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	13	0.13
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	25	0.13
(1,1558)	1:127:A:ILE:HD13	1:127:A:ILE:H	3	0.13
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	10	0.13
(1,1517)	1:125:A:VAL:HG21	1:124:A:TYR:H	10	0.13
(1,1517)	1:125:A:VAL:HG23	1:124:A:TYR:H	15	0.13
(1,1517)	1:125:A:VAL:HG22	1:124:A:TYR:H	19	0.13
(1,1508)	1:125:A:VAL:HG12	1:126:A:TYR:HD1	7	0.13
(1,1499)	1:124:A:TYR:HB2	1:127:A:ILE:HB	13	0.13
(1,1484)	1:123:A:LEU:HD23	1:124:A:TYR:HD1	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	23	0.13
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	25	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	1	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	4	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	7	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	11	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	12	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	18	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	20	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	21	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	22	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	24	0.13
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	25	0.13
(1,1439)	1:120:A:PRO:HA	1:126:A:TYR:HD2	16	0.13
(1,1431)	1:119:A:ARG:HD2	1:119:A:ARG:HA	11	0.13
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	16	0.13
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	20	0.13
(1,1397)	1:115:A:ARG:HD3	1:111:A:ARG:HB3	8	0.13
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	20	0.13
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	19	0.13
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	22	0.13
(1,1343)	1:111:A:ARG:HB2	1:111:A:ARG:HD3	25	0.13
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD11	14	0.13
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD12	22	0.13
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	9	0.13
(1,1320)	1:109:A:LEU:HD12	1:63:A:ASN:H	22	0.13
(1,1301)	1:108:A:ILE:HD13	1:108:A:ILE:H	25	0.13
(1,1297)	1:108:A:ILE:HG21	1:99:A:PHE:HE2	14	0.13
(1,1297)	1:108:A:ILE:HG23	1:99:A:PHE:HE2	19	0.13
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	17	0.13
(1,1294)	1:108:A:ILE:HG22	1:111:A:ARG:H	18	0.13
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	16	0.13
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD11	25	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	2	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	3	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	6	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	7	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	8	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	9	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	12	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	15	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	18	0.13
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	21	0.13
(1,1223)	1:103:A:ALA:HB2	1:59:A:TYR:HD1	8	0.13
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	18	0.13
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD22	6	0.13
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD21	20	0.13
(1,1181)	1:100:A:LEU:HD11	1:100:A:LEU:H	13	0.13
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD13	20	0.13
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	18	0.13
(1,1120)	1:95:A:ALA:HA	1:138:A:SER:HB3	18	0.13
(1,1115)	1:117:A:ARG:HD2	1:117:A:ARG:HA	5	0.13
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	23	0.13
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	23	0.13
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	7	0.13
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	1	0.13
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	23	0.13
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	25	0.13
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	9	0.13
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	17	0.13
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	24	0.13
(1,923)	1:84:A:VAL:HG12	1:88:A:LEU:H	11	0.13
(1,923)	1:84:A:VAL:HG11	1:88:A:LEU:H	12	0.13
(1,908)	1:83:A:GLU:HG2	1:84:A:VAL:HG22	8	0.13
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	4	0.13
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	7	0.13
(1,861)	1:80:A:ASP:HB2	1:81:A:HIS:HD2	18	0.13
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	10	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	1	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	6	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	9	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	18	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	21	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	24	0.13
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	25	0.13
(1,820)	1:71:A:LEU:HD21	1:75:A:LYS:HE2	1	0.13
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	20	0.13
(1,765)	1:71:A:LEU:HD22	1:74:A:CYS:H	10	0.13
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD23	14	0.13
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD22	24	0.13
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	16	0.13
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	24	0.13
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	11	0.13
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	13	0.13
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	16	0.13
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	18	0.13
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	22	0.13
(1,721)	1:68:A:GLU:HG3	1:68:A:GLU:HA	24	0.13
(1,719)	1:129:A:GLU:HG2	1:126:A:TYR:HA	9	0.13
(1,715)	1:68:A:GLU:HG3	1:69:A:GLU:H	6	0.13
(1,689)	1:66:A:LEU:HD13	1:110:A:SER:HB2	10	0.13
(1,688)	1:66:A:LEU:HD13	1:110:A:SER:HA	15	0.13
(1,688)	1:66:A:LEU:HD12	1:110:A:SER:HA	20	0.13
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	20	0.13
(1,664)	1:65:A:LYS:HA	1:68:A:GLU:H	15	0.13
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	9	0.13
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	15	0.13
(1,583)	1:59:A:TYR:HA	1:62:A:GLU:HB3	20	0.13
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	9	0.13
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	19	0.13
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	25	0.13
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	8	0.13
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	18	0.13
(1,570)	1:57:A:LYS:HG3	1:57:A:LYS:HE2	1	0.13
(1,570)	1:57:A:LYS:HG3	1:57:A:LYS:HE2	10	0.13
(1,569)	1:57:A:LYS:HG2	1:57:A:LYS:HE2	2	0.13
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	6	0.13
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	10	0.13
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	25	0.13
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD12	18	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	2	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	6	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	7	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	9	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	15	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	19	0.13
(1,524)	1:133:A:VAL:HA	1:133:A:VAL:HB	20	0.13
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	11	0.13
(1,514)	1:57:A:LYS:HB2	1:57:A:LYS:HA	15	0.13
(1,502)	1:142:A:LYS:HB2	1:142:A:LYS:HG2	15	0.13
(1,480)	1:123:A:LEU:HD23	1:77:A:GLN:HG2	25	0.13
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	1	0.13
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	19	0.13
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	21	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	7	0.13
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	19	0.13
(1,470)	1:73:A:LEU:HB2	1:73:A:LEU:HA	19	0.13
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	2	0.13
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	14	0.13
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	16	0.13
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	17	0.13
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	4	0.13
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	21	0.13
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	7	0.13
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	20	0.13
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	1	0.13
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	15	0.13
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	17	0.13
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	7	0.13
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	16	0.13
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	17	0.13
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	14	0.13
(1,403)	1:70:A:PHE:HA	1:70:A:PHE:HD2	21	0.13
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	12	0.13
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	14	0.13
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	15	0.13
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	24	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	1	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	2	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	3	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	4	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	5	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	6	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	9	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	11	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	14	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	15	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	17	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	19	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	20	0.13
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	21	0.13
(1,333)	1:79:A:ALA:HB2	1:79:A:ALA:HA	1	0.13
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	3	0.13
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	13	0.13
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	18	0.13
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:121:A:ALA:HA	1:121:A:ALA:HB2	21	0.13
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	2	0.13
(1,314)	1:94:A:ARG:HD2	1:94:A:ARG:HB3	4	0.13
(1,298)	1:101:A:ALA:HB3	1:101:A:ALA:H	10	0.13
(1,283)	1:130:A:LEU:HD12	1:133:A:VAL:HG13	18	0.13
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG11	1	0.13
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG13	6	0.13
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG11	10	0.13
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG11	12	0.13
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG12	20	0.13
(1,260)	1:100:A:LEU:HD11	1:100:A:LEU:HD21	7	0.13
(1,243)	1:84:A:VAL:HG22	1:81:A:HIS:HB2	4	0.13
(1,218)	1:109:A:LEU:HD22	1:67:A:PHE:HD1	25	0.13
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	18	0.13
(1,170)	1:119:A:ARG:HA	1:120:A:PRO:HD3	21	0.13
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD23	8	0.13
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD22	15	0.13
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD22	19	0.13
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	21	0.13
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	25	0.13
(1,133)	1:86:A:PRO:HG3	1:86:A:PRO:HB2	24	0.13
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	3	0.13
(1,114)	1:119:A:ARG:HB2	1:119:A:ARG:HA	1	0.13
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB1	6	0.13
(1,94)	1:133:A:VAL:HG13	1:136:A:ALA:HB3	15	0.13
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD22	4	0.13
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	5	0.13
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD23	9	0.13
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	12	0.12
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	25	0.12
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB2	4	0.12
(1,3517)	1:131:A:CYS:H	1:134:A:LEU:HD12	5	0.12
(1,3483)	1:126:A:TYR:H	1:116:A:ALA:HB3	15	0.12
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG21	3	0.12
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG23	24	0.12
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	23	0.12
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	10	0.12
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	21	0.12
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	5	0.12
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG21	12	0.12
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG21	17	0.12
(1,3315)	1:85:A:VAL:HG23	1:78:A:THR:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3315)	1:85:A:VAL:HG23	1:78:A:THR:H	9	0.12
(1,3315)	1:85:A:VAL:HG23	1:78:A:THR:H	15	0.12
(1,3315)	1:85:A:VAL:HG23	1:78:A:THR:H	17	0.12
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	11	0.12
(1,3314)	1:77:A:GLN:HE22	1:117:A:ARG:HG2	18	0.12
(1,3289)	1:88:A:LEU:HD13	1:74:A:CYS:H	12	0.12
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD11	15	0.12
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD22	18	0.12
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD12	19	0.12
(1,3259)	1:66:A:LEU:HD11	1:67:A:PHE:H	18	0.12
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	6	0.12
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	9	0.12
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	18	0.12
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	25	0.12
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	4	0.12
(1,3167)	1:106:A:CYS:HB3	1:59:A:TYR:HA	14	0.12
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	10	0.12
(1,3154)	1:69:A:GLU:HG3	1:65:A:LYS:HG2	24	0.12
(1,3151)	1:116:A:ALA:HB2	1:123:A:LEU:HD12	23	0.12
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	13	0.12
(1,3125)	1:134:A:LEU:HD21	1:91:A:ARG:HB3	10	0.12
(1,3117)	1:135:A:LYS:HE2	1:132:A:THR:HG21	5	0.12
(1,3111)	1:131:A:CYS:HB2	1:87:A:PHE:HE2	22	0.12
(1,3106)	1:131:A:CYS:HA	1:87:A:PHE:HE1	21	0.12
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	19	0.12
(1,3084)	1:127:A:ILE:HG22	1:124:A:TYR:HE1	23	0.12
(1,3079)	1:127:A:ILE:HB	1:128:A:ASN:HB2	2	0.12
(1,3075)	1:59:A:TYR:HA	1:59:A:TYR:HD2	4	0.12
(1,3073)	1:122:A:LYS:HE3	1:125:A:VAL:HG23	21	0.12
(1,3063)	1:124:A:TYR:HA	1:127:A:ILE:HG13	6	0.12
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD23	20	0.12
(1,3060)	1:123:A:LEU:HD23	1:77:A:GLN:HE21	25	0.12
(1,3046)	1:120:A:PRO:HA	1:123:A:LEU:HB3	13	0.12
(1,3001)	1:106:A:CYS:HB2	1:63:A:ASN:HD21	16	0.12
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	6	0.12
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	16	0.12
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	17	0.12
(1,2983)	1:100:A:LEU:HD13	1:95:A:ALA:HA	8	0.12
(1,2975)	1:113:A:LEU:HD23	1:69:A:GLU:H	21	0.12
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	17	0.12
(1,2967)	1:95:A:ALA:HA	1:96:A:HIS:HB2	24	0.12
(1,2939)	1:88:A:LEU:HD12	1:84:A:VAL:HB	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:88:A:LEU:HD13	1:71:A:LEU:H	2	0.12
(1,2925)	1:85:A:VAL:HB	1:75:A:LYS:HG3	15	0.12
(1,2903)	1:79:A:ALA:HB2	1:77:A:GLN:HA	15	0.12
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG23	9	0.12
(1,2879)	1:71:A:LEU:HD23	1:74:A:CYS:HB2	1	0.12
(1,2875)	1:71:A:LEU:HD13	1:75:A:LYS:HE2	23	0.12
(1,2873)	1:71:A:LEU:HB3	1:75:A:LYS:HE2	3	0.12
(1,2873)	1:71:A:LEU:HB3	1:75:A:LYS:HE2	12	0.12
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	7	0.12
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	17	0.12
(1,2872)	1:71:A:LEU:HA	1:73:A:LEU:H	18	0.12
(1,2868)	1:72:A:GLU:HG2	1:71:A:LEU:HB2	6	0.12
(1,2863)	1:69:A:GLU:HA	1:73:A:LEU:H	20	0.12
(1,2862)	1:66:A:LEU:HD11	1:62:A:GLU:HB2	20	0.12
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	6	0.12
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	18	0.12
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	5	0.12
(1,2840)	1:104:A:GLU:HB3	1:107:A:ASN:H	13	0.12
(1,2836)	1:142:A:LYS:HB3	1:142:A:LYS:HA	2	0.12
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HG	16	0.12
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	11	0.12
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	4	0.12
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	12	0.12
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	1	0.12
(1,2803)	1:125:A:VAL:HG12	1:125:A:VAL:HA	4	0.12
(1,2803)	1:125:A:VAL:HG13	1:125:A:VAL:HA	15	0.12
(1,2797)	1:113:A:LEU:HB2	1:110:A:SER:HA	19	0.12
(1,2790)	1:85:A:VAL:HG12	1:75:A:LYS:HG3	10	0.12
(1,2780)	1:123:A:LEU:HD13	1:70:A:PHE:HE2	15	0.12
(1,2777)	1:130:A:LEU:HD11	1:133:A:VAL:HG12	17	0.12
(1,2769)	1:61:A:LEU:HD13	1:61:A:LEU:HB3	2	0.12
(1,2769)	1:61:A:LEU:HD11	1:61:A:LEU:HB3	3	0.12
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD21	7	0.12
(1,2748)	1:66:A:LEU:HD11	1:66:A:LEU:HB2	18	0.12
(1,2748)	1:66:A:LEU:HD12	1:66:A:LEU:HB2	22	0.12
(1,2697)	1:129:A:GLU:HB3	1:126:A:TYR:HD1	18	0.12
(1,2694)	1:59:A:TYR:HD1	1:57:A:LYS:HB3	16	0.12
(1,2688)	1:59:A:TYR:HD1	1:106:A:CYS:HB2	22	0.12
(1,2683)	1:103:A:ALA:HA	1:59:A:TYR:HE1	9	0.12
(1,2679)	1:109:A:LEU:HD21	1:67:A:PHE:HD1	7	0.12
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	4	0.12
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	3	0.12
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	4	0.12
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	23	0.12
(1,2616)	1:78:A:THR:HG21	1:124:A:TYR:HE1	18	0.12
(1,2609)	1:137:A:HIS:HB3	1:137:A:HIS:HD2	14	0.12
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB3	6	0.12
(1,2604)	1:139:A:ALA:HA	1:96:A:HIS:HD2	4	0.12
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	3	0.12
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	10	0.12
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	10	0.12
(1,2552)	1:139:A:ALA:H	1:96:A:HIS:HE1	20	0.12
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	4	0.12
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	20	0.12
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	4	0.12
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	6	0.12
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	14	0.12
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	15	0.12
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	22	0.12
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	23	0.12
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD22	17	0.12
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD21	19	0.12
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD13	15	0.12
(1,2446)	1:128:A:ASN:H	1:128:A:ASN:HD21	9	0.12
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	11	0.12
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	22	0.12
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	5	0.12
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	14	0.12
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	16	0.12
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	17	0.12
(1,2349)	1:109:A:LEU:HD11	1:109:A:LEU:H	19	0.12
(1,2288)	1:104:A:GLU:H	1:102:A:SER:HA	1	0.12
(1,2251)	1:101:A:ALA:H	1:92:A:GLN:HE22	14	0.12
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	10	0.12
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	16	0.12
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	23	0.12
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	3	0.12
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	4	0.12
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	7	0.12
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	13	0.12
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	2	0.12
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	13	0.12
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2174)	1:92:A:GLN:HE21	1:105:A:PHE:HE2	22	0.12
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	16	0.12
(1,2119)	1:71:A:LEU:HD11	1:88:A:LEU:H	7	0.12
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	8	0.12
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	14	0.12
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	19	0.12
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	20	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	4	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	12	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	14	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	17	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	22	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	23	0.12
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	25	0.12
(1,2039)	1:73:A:LEU:HD21	1:76:A:MET:H	17	0.12
(1,2020)	1:73:A:LEU:HD11	1:73:A:LEU:H	18	0.12
(1,2006)	1:71:A:LEU:HD12	1:71:A:LEU:H	2	0.12
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	4	0.12
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	12	0.12
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	13	0.12
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	15	0.12
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	18	0.12
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	23	0.12
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	24	0.12
(1,1986)	1:109:A:LEU:HD21	1:68:A:GLU:H	8	0.12
(1,1986)	1:109:A:LEU:HD23	1:68:A:GLU:H	22	0.12
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	1	0.12
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	10	0.12
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	24	0.12
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	23	0.12
(1,1874)	1:112:A:VAL:HG13	1:130:A:LEU:H	17	0.12
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	4	0.12
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	10	0.12
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	12	0.12
(1,1860)	1:113:A:LEU:HG	1:114:A:SER:H	20	0.12
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	2	0.12
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	21	0.12
(1,1846)	1:94:A:ARG:H	1:95:A:ALA:HB2	22	0.12
(1,1836)	1:73:A:LEU:HG	1:77:A:GLN:HE22	19	0.12
(1,1830)	1:85:A:VAL:HG21	1:74:A:CYS:H	11	0.12
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	9	0.12
(1,1800)	1:66:A:LEU:HD21	1:66:A:LEU:H	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	5	0.12
(1,1785)	1:71:A:LEU:HD22	1:71:A:LEU:H	6	0.12
(1,1785)	1:71:A:LEU:HD22	1:71:A:LEU:H	10	0.12
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	12	0.12
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	14	0.12
(1,1784)	1:111:A:ARG:HG2	1:111:A:ARG:H	8	0.12
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	23	0.12
(1,1773)	1:106:A:CYS:HB3	1:59:A:TYR:HB2	5	0.12
(1,1773)	1:106:A:CYS:HB3	1:59:A:TYR:HB2	16	0.12
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	2	0.12
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	14	0.12
(1,1760)	1:109:A:LEU:HD12	1:130:A:LEU:HD22	6	0.12
(1,1760)	1:109:A:LEU:HD13	1:130:A:LEU:HD21	7	0.12
(1,1760)	1:109:A:LEU:HD11	1:130:A:LEU:HD21	10	0.12
(1,1759)	1:123:A:LEU:HD12	1:77:A:GLN:HG3	15	0.12
(1,1746)	1:112:A:VAL:HG13	1:129:A:GLU:HG2	11	0.12
(1,1746)	1:112:A:VAL:HG11	1:129:A:GLU:HG2	23	0.12
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	1	0.12
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	11	0.12
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	14	0.12
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	16	0.12
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	23	0.12
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	5	0.12
(1,1740)	1:129:A:GLU:HG3	1:130:A:LEU:H	12	0.12
(1,1720)	1:85:A:VAL:HG12	1:89:A:TYR:H	3	0.12
(1,1720)	1:85:A:VAL:HG11	1:89:A:TYR:H	9	0.12
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	1	0.12
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB1	3	0.12
(1,1679)	1:138:A:SER:HB3	1:141:A:LYS:HG2	5	0.12
(1,1678)	1:138:A:SER:HA	1:138:A:SER:HB2	13	0.12
(1,1676)	1:138:A:SER:HB3	1:138:A:SER:H	4	0.12
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	10	0.12
(1,1661)	1:136:A:ALA:HB1	1:133:A:VAL:H	11	0.12
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	4	0.12
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	20	0.12
(1,1588)	1:130:A:LEU:HD23	1:131:A:CYS:H	15	0.12
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	15	0.12
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	19	0.12
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	23	0.12
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	3	0.12
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	12	0.12
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	22	0.12
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	25	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	1	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	5	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	6	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	9	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	10	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	11	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	12	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	14	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	16	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	18	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	20	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	21	0.12
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	22	0.12
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	23	0.12
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	1	0.12
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	13	0.12
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	9	0.12
(1,1448)	1:120:A:PRO:HD2	1:119:A:ARG:HG3	11	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	2	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	5	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	6	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	13	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	14	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	15	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	19	0.12
(1,1447)	1:120:A:PRO:HB2	1:120:A:PRO:HD3	23	0.12
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	21	0.12
(1,1407)	1:73:A:LEU:HD22	1:117:A:ARG:HA	25	0.12
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	4	0.12
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	6	0.12
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	12	0.12
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	14	0.12
(1,1386)	1:119:A:ARG:HG3	1:119:A:ARG:H	24	0.12
(1,1378)	1:114:A:SER:HA	1:117:A:ARG:HB2	15	0.12
(1,1377)	1:114:A:SER:HA	1:117:A:ARG:HD3	13	0.12
(1,1361)	1:112:A:VAL:HG23	1:70:A:PHE:HE2	21	0.12
(1,1354)	1:112:A:VAL:HA	1:115:A:ARG:HG3	13	0.12
(1,1341)	1:111:A:ARG:HA	1:111:A:ARG:HG3	22	0.12
(1,1341)	1:111:A:ARG:HA	1:111:A:ARG:HG3	25	0.12
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	21	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:109:A:LEU:HD13	1:63:A:ASN:H	21	0.12
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	10	0.12
(1,1301)	1:108:A:ILE:HD11	1:108:A:ILE:H	11	0.12
(1,1294)	1:108:A:ILE:HG23	1:111:A:ARG:H	25	0.12
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	5	0.12
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	6	0.12
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	7	0.12
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	5	0.12
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	8	0.12
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	23	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	5	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	11	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	13	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	14	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	16	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	19	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	20	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	24	0.12
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	25	0.12
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	13	0.12
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	16	0.12
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	18	0.12
(1,1203)	1:101:A:ALA:HB3	1:63:A:ASN:HD21	24	0.12
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	14	0.12
(1,1181)	1:100:A:LEU:HD13	1:100:A:LEU:H	1	0.12
(1,1181)	1:100:A:LEU:HD11	1:100:A:LEU:H	6	0.12
(1,1181)	1:100:A:LEU:HD12	1:100:A:LEU:H	11	0.12
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD13	3	0.12
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	16	0.12
(1,1145)	1:98:A:LEU:HB3	1:99:A:PHE:H	21	0.12
(1,1077)	1:91:A:ARG:HD2	1:134:A:LEU:HB3	10	0.12
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	3	0.12
(1,1030)	1:89:A:TYR:HA	1:92:A:GLN:HB2	3	0.12
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	15	0.12
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	16	0.12
(1,1006)	1:88:A:LEU:HD11	1:89:A:TYR:H	17	0.12
(1,1006)	1:88:A:LEU:HD12	1:89:A:TYR:H	22	0.12
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	5	0.12
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	20	0.12
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	5	0.12
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	14	0.12
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	19	0.12
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	21	0.12
(1,965)	1:86:A:PRO:HG3	1:85:A:VAL:H	24	0.12
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	18	0.12
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	8	0.12
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	14	0.12
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	20	0.12
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	15	0.12
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	3	0.12
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	12	0.12
(1,831)	1:73:A:LEU:HA	1:76:A:MET:HG2	17	0.12
(1,820)	1:71:A:LEU:HD22	1:75:A:LYS:HE2	9	0.12
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	17	0.12
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	11	0.12
(1,763)	1:67:A:PHE:HB2	1:109:A:LEU:HD21	21	0.12
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	6	0.12
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	17	0.12
(1,762)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	22	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	2	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	6	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	9	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	12	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	15	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	19	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	21	0.12
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	24	0.12
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	1	0.12
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	11	0.12
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	13	0.12
(1,715)	1:68:A:GLU:HG3	1:69:A:GLU:H	15	0.12
(1,689)	1:66:A:LEU:HD11	1:110:A:SER:HB2	6	0.12
(1,688)	1:66:A:LEU:HD11	1:110:A:SER:HA	17	0.12
(1,666)	1:65:A:LYS:HB2	1:65:A:LYS:HE2	15	0.12
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	2	0.12
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	14	0.12
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	18	0.12
(1,660)	1:64:A:GLU:HG2	1:64:A:GLU:H	2	0.12
(1,660)	1:64:A:GLU:HG2	1:64:A:GLU:H	12	0.12
(1,639)	1:62:A:GLU:HG2	1:62:A:GLU:H	3	0.12
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	11	0.12
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	22	0.12
(1,579)	1:58:A:CYS:HB2	1:60:A:LYS:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	12	0.12
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	6	0.12
(1,568)	1:57:A:LYS:HG3	1:57:A:LYS:HE3	20	0.12
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD2	13	0.12
(1,562)	1:57:A:LYS:HB2	1:59:A:TYR:HD1	24	0.12
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	3	0.12
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	15	0.12
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	21	0.12
(1,528)	1:94:A:ARG:HA	1:94:A:ARG:HB2	16	0.12
(1,528)	1:94:A:ARG:HA	1:94:A:ARG:HB2	20	0.12
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD11	9	0.12
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	23	0.12
(1,500)	1:142:A:LYS:HB2	1:142:A:LYS:HA	9	0.12
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	2	0.12
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	22	0.12
(1,476)	1:93:A:GLN:HG2	1:93:A:GLN:HB2	25	0.12
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	2	0.12
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	4	0.12
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	13	0.12
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	16	0.12
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	18	0.12
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	20	0.12
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	10	0.12
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	13	0.12
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	18	0.12
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	19	0.12
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	21	0.12
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	8	0.12
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	6	0.12
(1,456)	1:135:A:LYS:HA	1:135:A:LYS:HB3	9	0.12
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	3	0.12
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	4	0.12
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	3	0.12
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	8	0.12
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	8	0.12
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	9	0.12
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	13	0.12
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	7	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	1	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	2	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	4	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	6	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	8	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	9	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	10	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	11	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	12	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	13	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	15	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	16	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	17	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	18	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	19	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	20	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	21	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	22	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	23	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	24	0.12
(1,408)	1:87:A:PHE:HA	1:87:A:PHE:HB3	25	0.12
(1,405)	1:113:A:LEU:HD22	1:70:A:PHE:HA	18	0.12
(1,403)	1:70:A:PHE:HA	1:70:A:PHE:HD2	2	0.12
(1,399)	1:107:A:ASN:HB3	1:107:A:ASN:H	18	0.12
(1,395)	1:127:A:ILE:HD12	1:123:A:LEU:HD13	13	0.12
(1,373)	1:108:A:ILE:HG23	1:108:A:ILE:HG12	16	0.12
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	25	0.12
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	8	0.12
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	10	0.12
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	12	0.12
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	16	0.12
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	22	0.12
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	23	0.12
(1,334)	1:84:A:VAL:HA	1:87:A:PHE:HB2	2	0.12
(1,334)	1:84:A:VAL:HA	1:87:A:PHE:HB2	8	0.12
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	7	0.12
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	14	0.12
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	19	0.12
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	20	0.12
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	21	0.12
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	25	0.12
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	3	0.12
(1,300)	1:101:A:ALA:HB2	1:98:A:LEU:HA	24	0.12
(1,298)	1:101:A:ALA:HB3	1:101:A:ALA:H	16	0.12
(1,283)	1:130:A:LEU:HD13	1:133:A:VAL:HG13	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	8	0.12
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	9	0.12
(1,267)	1:125:A:VAL:HG23	1:125:A:VAL:HA	13	0.12
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	15	0.12
(1,267)	1:125:A:VAL:HG23	1:125:A:VAL:HA	19	0.12
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	20	0.12
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG13	16	0.12
(1,265)	1:112:A:VAL:HG23	1:112:A:VAL:HG13	17	0.12
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG13	22	0.12
(1,243)	1:84:A:VAL:HG22	1:81:A:HIS:HB2	18	0.12
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	8	0.12
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	22	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD23	9	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	11	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	12	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	17	0.12
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	20	0.12
(1,133)	1:86:A:PRO:HG3	1:86:A:PRO:HB2	17	0.12
(1,133)	1:86:A:PRO:HG3	1:86:A:PRO:HB2	18	0.12
(1,133)	1:86:A:PRO:HG3	1:86:A:PRO:HB2	23	0.12
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	4	0.12
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	5	0.12
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	20	0.12
(1,94)	1:133:A:VAL:HG12	1:136:A:ALA:HB3	5	0.12
(1,94)	1:133:A:VAL:HG11	1:136:A:ALA:HB3	23	0.12
(1,90)	1:88:A:LEU:HD12	1:127:A:ILE:HD12	18	0.12
(1,51)	1:88:A:LEU:HD23	1:71:A:LEU:HD21	13	0.12
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD21	19	0.12
(1,51)	1:88:A:LEU:HD21	1:71:A:LEU:HD21	24	0.12
(1,3566)	1:124:A:TYR:HB2	1:124:A:TYR:HD1	18	0.11
(1,3563)	1:115:A:ARG:H	1:126:A:TYR:HE2	14	0.11
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB3	9	0.11
(1,3534)	1:137:A:HIS:H	1:95:A:ALA:HB1	21	0.11
(1,3523)	1:130:A:LEU:HD12	1:133:A:VAL:H	20	0.11
(1,3515)	1:131:A:CYS:H	1:133:A:VAL:HG23	20	0.11
(1,3505)	1:130:A:LEU:H	1:70:A:PHE:HE1	17	0.11
(1,3505)	1:130:A:LEU:H	1:126:A:TYR:HD1	18	0.11
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	25	0.11
(1,3418)	1:106:A:CYS:H	1:103:A:ALA:HB2	10	0.11
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE2	10	0.11
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	14	0.11
(1,3400)	1:95:A:ALA:HB2	1:100:A:LEU:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:99:A:PHE:H	1:139:A:ALA:HB2	18	0.11
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	14	0.11
(1,3389)	1:96:A:HIS:H	1:138:A:SER:H	16	0.11
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	7	0.11
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	19	0.11
(1,3354)	1:90:A:ASN:HD21	1:94:A:ARG:HB3	20	0.11
(1,3333)	1:84:A:VAL:HG13	1:87:A:PHE:H	7	0.11
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG23	6	0.11
(1,3325)	1:84:A:VAL:H	1:78:A:THR:HG22	8	0.11
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	1	0.11
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	7	0.11
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	11	0.11
(1,3259)	1:66:A:LEU:HD13	1:67:A:PHE:H	14	0.11
(1,3197)	1:77:A:GLN:HE21	1:76:A:MET:HG3	10	0.11
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	2	0.11
(1,3182)	1:117:A:ARG:HG3	1:117:A:ARG:H	12	0.11
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	4	0.11
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	15	0.11
(1,3164)	1:112:A:VAL:HB	1:126:A:TYR:HB3	22	0.11
(1,3158)	1:125:A:VAL:HG12	1:129:A:GLU:HG3	12	0.11
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG22	3	0.11
(1,3093)	1:129:A:GLU:HA	1:133:A:VAL:HG21	5	0.11
(1,3091)	1:70:A:PHE:HB2	1:113:A:LEU:H	16	0.11
(1,3063)	1:124:A:TYR:HA	1:127:A:ILE:HG13	20	0.11
(1,3062)	1:74:A:CYS:HB3	1:123:A:LEU:HD21	2	0.11
(1,3054)	1:123:A:LEU:HA	1:126:A:TYR:HE2	15	0.11
(1,3006)	1:108:A:ILE:HG21	1:133:A:VAL:HA	17	0.11
(1,3002)	1:106:A:CYS:HB3	1:59:A:TYR:HE1	6	0.11
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB1	11	0.11
(1,2996)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	20	0.11
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	25	0.11
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB1	14	0.11
(1,2975)	1:113:A:LEU:HD22	1:69:A:GLU:H	14	0.11
(1,2948)	1:90:A:ASN:HA	1:94:A:ARG:H	23	0.11
(1,2931)	1:88:A:LEU:HD12	1:71:A:LEU:H	3	0.11
(1,2931)	1:88:A:LEU:HD12	1:71:A:LEU:H	5	0.11
(1,2931)	1:88:A:LEU:HD13	1:71:A:LEU:H	20	0.11
(1,2931)	1:88:A:LEU:HD11	1:71:A:LEU:H	23	0.11
(1,2925)	1:85:A:VAL:HB	1:75:A:LYS:HG3	2	0.11
(1,2923)	1:85:A:VAL:HA	1:86:A:PRO:HD3	20	0.11
(1,2902)	1:78:A:THR:HG21	1:84:A:VAL:HB	13	0.11
(1,2896)	1:131:A:CYS:HB3	1:87:A:PHE:HE1	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2894)	1:74:A:CYS:HB2	1:123:A:LEU:HD21	25	0.11
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	12	0.11
(1,2893)	1:74:A:CYS:HB2	1:78:A:THR:HG22	23	0.11
(1,2889)	1:71:A:LEU:HD13	1:67:A:PHE:HD2	21	0.11
(1,2879)	1:71:A:LEU:HD22	1:74:A:CYS:HB2	13	0.11
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD21	17	0.11
(1,2858)	1:135:A:LYS:HE3	1:135:A:LYS:HB2	13	0.11
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	12	0.11
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	19	0.11
(1,2851)	1:66:A:LEU:HA	1:68:A:GLU:H	25	0.11
(1,2845)	1:135:A:LYS:HE2	1:132:A:THR:HA	20	0.11
(1,2829)	1:98:A:LEU:HA	1:98:A:LEU:HG	17	0.11
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	12	0.11
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	25	0.11
(1,2815)	1:118:A:SER:HB2	1:118:A:SER:HA	20	0.11
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	14	0.11
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	4	0.11
(1,2780)	1:123:A:LEU:HD13	1:126:A:TYR:HD2	19	0.11
(1,2769)	1:61:A:LEU:HD12	1:61:A:LEU:HB3	5	0.11
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD22	11	0.11
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD21	22	0.11
(1,2733)	1:134:A:LEU:HD21	1:130:A:LEU:HG	12	0.11
(1,2720)	1:104:A:GLU:HB2	1:103:A:ALA:HB3	10	0.11
(1,2685)	1:84:A:VAL:HG12	1:124:A:TYR:HE1	10	0.11
(1,2684)	1:59:A:TYR:HE1	1:57:A:LYS:HB3	17	0.11
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	20	0.11
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	5	0.11
(1,2652)	1:81:A:HIS:HB3	1:81:A:HIS:HD2	18	0.11
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	2	0.11
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	5	0.11
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	7	0.11
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	13	0.11
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	16	0.11
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	17	0.11
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB3	10	0.11
(1,2608)	1:137:A:HIS:HE1	1:136:A:ALA:HB1	18	0.11
(1,2604)	1:139:A:ALA:HA	1:96:A:HIS:HD2	2	0.11
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	13	0.11
(1,2595)	1:67:A:PHE:HB2	1:67:A:PHE:HD1	17	0.11
(1,2585)	1:59:A:TYR:HA	1:59:A:TYR:HD1	17	0.11
(1,2584)	1:57:A:LYS:H	1:57:A:LYS:HE3	19	0.11
(1,2543)	1:143:A:LEU:H	1:144:A:ASN:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2512)	1:135:A:LYS:H	1:134:A:LEU:HD21	22	0.11
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD11	17	0.11
(1,2511)	1:135:A:LYS:H	1:134:A:LEU:HD12	20	0.11
(1,2501)	1:134:A:LEU:HD11	1:134:A:LEU:H	24	0.11
(1,2446)	1:128:A:ASN:H	1:128:A:ASN:HD21	5	0.11
(1,2446)	1:128:A:ASN:H	1:128:A:ASN:HD21	6	0.11
(1,2446)	1:128:A:ASN:H	1:128:A:ASN:HD21	18	0.11
(1,2416)	1:124:A:TYR:H	1:123:A:LEU:HB2	3	0.11
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	10	0.11
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	2	0.11
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	10	0.11
(1,2310)	1:106:A:CYS:H	1:59:A:TYR:HB3	24	0.11
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	15	0.11
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD22	17	0.11
(1,2234)	1:99:A:PHE:H	1:99:A:PHE:HD1	18	0.11
(1,2234)	1:99:A:PHE:H	1:99:A:PHE:HD1	21	0.11
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	4	0.11
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	6	0.11
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	5	0.11
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	10	0.11
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	11	0.11
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	23	0.11
(1,2181)	1:93:A:GLN:H	1:92:A:GLN:HE21	21	0.11
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	2	0.11
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	20	0.11
(1,2119)	1:71:A:LEU:HD12	1:88:A:LEU:H	13	0.11
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	19	0.11
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	24	0.11
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	9	0.11
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	15	0.11
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	8	0.11
(1,2039)	1:73:A:LEU:HD21	1:76:A:MET:H	4	0.11
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	14	0.11
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	8	0.11
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	2	0.11
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	8	0.11
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	11	0.11
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	14	0.11
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	18	0.11
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	25	0.11
(1,1986)	1:109:A:LEU:HD22	1:68:A:GLU:H	11	0.11
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	5	0.11
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	8	0.11
(1,1984)	1:68:A:GLU:H	1:65:A:LYS:HB3	21	0.11
(1,1950)	1:64:A:GLU:HB3	1:64:A:GLU:H	9	0.11
(1,1950)	1:64:A:GLU:HB3	1:64:A:GLU:H	23	0.11
(1,1882)	1:144:A:ASN:H	1:142:A:LYS:HG3	15	0.11
(1,1880)	1:143:A:LEU:HG	1:143:A:LEU:H	8	0.11
(1,1865)	1:116:A:ALA:H	1:115:A:ARG:HG3	11	0.11
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	18	0.11
(1,1851)	1:98:A:LEU:HD13	1:98:A:LEU:H	17	0.11
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD21	11	0.11
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	5	0.11
(1,1810)	1:61:A:LEU:HG	1:61:A:LEU:H	23	0.11
(1,1807)	1:68:A:GLU:H	1:68:A:GLU:HB2	5	0.11
(1,1807)	1:68:A:GLU:H	1:68:A:GLU:HB2	11	0.11
(1,1805)	1:72:A:GLU:HB2	1:72:A:GLU:H	2	0.11
(1,1785)	1:71:A:LEU:HD23	1:71:A:LEU:H	4	0.11
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	8	0.11
(1,1785)	1:71:A:LEU:HD21	1:71:A:LEU:H	9	0.11
(1,1785)	1:71:A:LEU:HD22	1:71:A:LEU:H	17	0.11
(1,1785)	1:71:A:LEU:HD22	1:71:A:LEU:H	19	0.11
(1,1785)	1:71:A:LEU:HD23	1:71:A:LEU:H	23	0.11
(1,1781)	1:98:A:LEU:HD21	1:98:A:LEU:H	8	0.11
(1,1781)	1:98:A:LEU:HD22	1:98:A:LEU:H	20	0.11
(1,1773)	1:106:A:CYS:HB3	1:59:A:TYR:HB2	9	0.11
(1,1718)	1:130:A:LEU:HD13	1:133:A:VAL:H	7	0.11
(1,1716)	1:85:A:VAL:HG23	1:84:A:VAL:H	9	0.11
(1,1702)	1:60:A:LYS:HA	1:60:A:LYS:HD2	5	0.11
(1,1698)	1:65:A:LYS:HG3	1:69:A:GLU:HG2	5	0.11
(1,1687)	1:96:A:HIS:HB3	1:139:A:ALA:HB2	22	0.11
(1,1684)	1:139:A:ALA:HA	1:96:A:HIS:H	8	0.11
(1,1674)	1:138:A:SER:HB2	1:139:A:ALA:H	2	0.11
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	3	0.11
(1,1654)	1:135:A:LYS:HG2	1:135:A:LYS:H	7	0.11
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	14	0.11
(1,1647)	1:134:A:LEU:HD23	1:99:A:PHE:HZ	24	0.11
(1,1619)	1:133:A:VAL:HG13	1:136:A:ALA:H	2	0.11
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	12	0.11
(1,1619)	1:133:A:VAL:HG12	1:136:A:ALA:H	19	0.11
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	21	0.11
(1,1619)	1:133:A:VAL:HG11	1:136:A:ALA:H	25	0.11
(1,1617)	1:132:A:THR:HG21	1:133:A:VAL:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:130:A:LEU:HD21	1:131:A:CYS:H	19	0.11
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	22	0.11
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	6	0.11
(1,1573)	1:129:A:GLU:HA	1:126:A:TYR:HA	8	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	2	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	3	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	4	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	8	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	15	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	17	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	19	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	23	0.11
(1,1572)	1:129:A:GLU:HA	1:130:A:LEU:H	24	0.11
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	1	0.11
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	3	0.11
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	8	0.11
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	18	0.11
(1,1558)	1:127:A:ILE:HD12	1:127:A:ILE:H	11	0.11
(1,1558)	1:127:A:ILE:HD13	1:127:A:ILE:H	21	0.11
(1,1558)	1:127:A:ILE:HD12	1:127:A:ILE:H	22	0.11
(1,1550)	1:127:A:ILE:HG21	1:124:A:TYR:HD1	18	0.11
(1,1509)	1:125:A:VAL:HG13	1:126:A:TYR:HE1	9	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	1	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	2	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	3	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	4	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	5	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	6	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	7	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	8	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	9	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	10	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	11	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	12	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	14	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	15	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	16	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	17	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	18	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	19	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	21	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	22	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	23	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	24	0.11
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	25	0.11
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	22	0.11
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	5	0.11
(1,1470)	1:122:A:LYS:HD2	1:122:A:LYS:HA	6	0.11
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	12	0.11
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	15	0.11
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	8	0.11
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	14	0.11
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	16	0.11
(1,1390)	1:115:A:ARG:HD2	1:126:A:TYR:HE1	19	0.11
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	10	0.11
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	21	0.11
(1,1389)	1:115:A:ARG:HD3	1:115:A:ARG:H	23	0.11
(1,1378)	1:114:A:SER:HA	1:117:A:ARG:HB2	8	0.11
(1,1341)	1:111:A:ARG:HA	1:111:A:ARG:HG3	13	0.11
(1,1341)	1:111:A:ARG:HA	1:111:A:ARG:HG3	18	0.11
(1,1339)	1:111:A:ARG:HA	1:111:A:ARG:HD2	12	0.11
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD11	5	0.11
(1,1327)	1:63:A:ASN:HB2	1:109:A:LEU:HD13	21	0.11
(1,1306)	1:108:A:ILE:HD13	1:107:A:ASN:HB2	4	0.11
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	17	0.11
(1,1301)	1:108:A:ILE:HD12	1:108:A:ILE:H	21	0.11
(1,1297)	1:108:A:ILE:HG23	1:99:A:PHE:HE2	2	0.11
(1,1297)	1:108:A:ILE:HG22	1:99:A:PHE:HE2	5	0.11
(1,1297)	1:108:A:ILE:HG21	1:99:A:PHE:HE2	24	0.11
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	8	0.11
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	9	0.11
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	11	0.11
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	15	0.11
(1,1261)	1:106:A:CYS:HB3	1:66:A:LEU:HD12	22	0.11
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	10	0.11
(1,1254)	1:106:A:CYS:HB2	1:107:A:ASN:H	17	0.11
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	1	0.11
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	4	0.11
(1,1231)	1:104:A:GLU:HA	1:104:A:GLU:HB3	22	0.11
(1,1216)	1:103:A:ALA:HA	1:59:A:TYR:HB3	11	0.11
(1,1210)	1:102:A:SER:HB2	1:103:A:ALA:H	11	0.11
(1,1191)	1:92:A:GLN:HG3	1:100:A:LEU:HD23	2	0.11
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	9	0.11
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	21	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	25	0.11
(1,1182)	1:100:A:LEU:HD11	1:92:A:GLN:HE22	22	0.11
(1,1181)	1:100:A:LEU:HD12	1:100:A:LEU:H	12	0.11
(1,1181)	1:100:A:LEU:HD11	1:100:A:LEU:H	20	0.11
(1,1150)	1:109:A:LEU:HD13	1:113:A:LEU:HD13	18	0.11
(1,1120)	1:95:A:ALA:HA	1:138:A:SER:HB3	2	0.11
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	15	0.11
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	19	0.11
(1,1094)	1:134:A:LEU:HD11	1:92:A:GLN:HB3	4	0.11
(1,1094)	1:134:A:LEU:HD12	1:92:A:GLN:HB3	15	0.11
(1,1094)	1:134:A:LEU:HD13	1:92:A:GLN:HB3	17	0.11
(1,1073)	1:91:A:ARG:HD2	1:90:A:ASN:HD21	25	0.11
(1,1072)	1:91:A:ARG:HD2	1:91:A:ARG:H	23	0.11
(1,1050)	1:91:A:ARG:HA	1:94:A:ARG:HG3	25	0.11
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	2	0.11
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	8	0.11
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	16	0.11
(1,982)	1:87:A:PHE:HA	1:90:A:ASN:HB2	19	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	3	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	4	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	11	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	16	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	20	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	22	0.11
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	25	0.11
(1,933)	1:133:A:VAL:HG23	1:132:A:THR:HB	22	0.11
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	3	0.11
(1,930)	1:84:A:VAL:HG22	1:83:A:GLU:H	13	0.11
(1,923)	1:84:A:VAL:HG12	1:88:A:LEU:H	8	0.11
(1,923)	1:84:A:VAL:HG12	1:88:A:LEU:H	22	0.11
(1,907)	1:83:A:GLU:HA	1:83:A:GLU:HG3	20	0.11
(1,905)	1:83:A:GLU:HG2	1:83:A:GLU:H	5	0.11
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	15	0.11
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	2	0.11
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	8	0.11
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	11	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	1	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	3	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	4	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	5	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	6	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	9	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	10	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	15	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	17	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	18	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	20	0.11
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	21	0.11
(1,844)	1:77:A:GLN:HG2	1:78:A:THR:HG22	12	0.11
(1,819)	1:75:A:LYS:HD3	1:75:A:LYS:H	25	0.11
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	13	0.11
(1,762)	1:71:A:LEU:HD11	1:67:A:PHE:HD2	5	0.11
(1,762)	1:71:A:LEU:HD12	1:67:A:PHE:HD2	19	0.11
(1,760)	1:71:A:LEU:HD12	1:68:A:GLU:HA	2	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	1	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	5	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	7	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	8	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	14	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	17	0.11
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	20	0.11
(1,731)	1:90:A:ASN:HB2	1:91:A:ARG:H	10	0.11
(1,702)	1:124:A:TYR:HA	1:124:A:TYR:HD1	20	0.11
(1,678)	1:66:A:LEU:HB3	1:113:A:LEU:HB2	3	0.11
(1,663)	1:65:A:LYS:HA	1:68:A:GLU:HG2	13	0.11
(1,661)	1:65:A:LYS:HA	1:65:A:LYS:HD2	15	0.11
(1,658)	1:64:A:GLU:HG2	1:65:A:LYS:H	4	0.11
(1,641)	1:62:A:GLU:HG2	1:63:A:ASN:H	15	0.11
(1,634)	1:104:A:GLU:HB3	1:102:A:SER:HB2	24	0.11
(1,620)	1:98:A:LEU:HA	1:96:A:HIS:HE1	9	0.11
(1,613)	1:60:A:LYS:HB3	1:61:A:LEU:H	23	0.11
(1,610)	1:60:A:LYS:HB2	1:60:A:LYS:H	25	0.11
(1,597)	1:60:A:LYS:HA	1:60:A:LYS:HG3	20	0.11
(1,596)	1:60:A:LYS:HA	1:63:A:ASN:HB3	21	0.11
(1,592)	1:59:A:TYR:HB2	1:63:A:ASN:H	23	0.11
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	5	0.11
(1,578)	1:58:A:CYS:HB2	1:59:A:TYR:H	16	0.11
(1,577)	1:58:A:CYS:HB2	1:57:A:LYS:HA	11	0.11
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	19	0.11
(1,570)	1:57:A:LYS:HG3	1:57:A:LYS:HE2	17	0.11
(1,563)	1:57:A:LYS:HG3	1:59:A:TYR:HE2	20	0.11
(1,560)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	8	0.11
(1,560)	1:57:A:LYS:HB2	1:59:A:TYR:HE1	24	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:94:A:ARG:HA	1:94:A:ARG:HB2	25	0.11
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD13	23	0.11
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	3	0.11
(1,519)	1:65:A:LYS:HB2	1:66:A:LEU:H	10	0.11
(1,516)	1:141:A:LYS:HA	1:141:A:LYS:HB3	18	0.11
(1,498)	1:128:A:ASN:HA	1:128:A:ASN:HB3	16	0.11
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	3	0.11
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	7	0.11
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	8	0.11
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	13	0.11
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	15	0.11
(1,475)	1:91:A:ARG:HA	1:91:A:ARG:HD2	3	0.11
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	5	0.11
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	10	0.11
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	11	0.11
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	1	0.11
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	4	0.11
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	5	0.11
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	11	0.11
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	22	0.11
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	24	0.11
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	21	0.11
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	17	0.11
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	19	0.11
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	22	0.11
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	23	0.11
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	24	0.11
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	2	0.11
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	4	0.11
(1,443)	1:104:A:GLU:HA	1:104:A:GLU:HG2	19	0.11
(1,428)	1:108:A:ILE:HD12	1:104:A:GLU:HG2	15	0.11
(1,402)	1:101:A:ALA:HB1	1:60:A:LYS:HA	14	0.11
(1,399)	1:107:A:ASN:HB3	1:107:A:ASN:H	8	0.11
(1,373)	1:108:A:ILE:HG21	1:108:A:ILE:HG12	4	0.11
(1,367)	1:82:A:PRO:HA	1:82:A:PRO:HB2	13	0.11
(1,358)	1:120:A:PRO:HA	1:120:A:PRO:HB2	9	0.11
(1,352)	1:131:A:CYS:HA	1:134:A:LEU:HD13	9	0.11
(1,334)	1:84:A:VAL:HA	1:87:A:PHE:HB2	10	0.11
(1,334)	1:84:A:VAL:HA	1:87:A:PHE:HB2	19	0.11
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	11	0.11
(1,333)	1:79:A:ALA:HB3	1:79:A:ALA:HA	15	0.11
(1,333)	1:79:A:ALA:HB1	1:79:A:ALA:HA	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	1	0.11
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	24	0.11
(1,314)	1:94:A:ARG:HD2	1:94:A:ARG:HB3	6	0.11
(1,310)	1:95:A:ALA:HB3	1:100:A:LEU:HG	6	0.11
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	1	0.11
(1,267)	1:125:A:VAL:HG21	1:125:A:VAL:HA	6	0.11
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	17	0.11
(1,267)	1:125:A:VAL:HG22	1:125:A:VAL:HA	24	0.11
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG12	9	0.11
(1,206)	1:56:A:LYS:HG2	1:57:A:LYS:HB2	20	0.11
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	7	0.11
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	22	0.11
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	24	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	1	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	2	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	3	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	4	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	5	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	6	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	7	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	9	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	10	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	11	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	12	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	13	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	14	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	15	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	16	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	17	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	18	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	19	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	20	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	21	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	23	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	24	0.11
(1,174)	1:75:A:LYS:HG2	1:75:A:LYS:HB2	25	0.11
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	1	0.11
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD23	14	0.11
(1,133)	1:86:A:PRO:HG3	1:86:A:PRO:HB2	10	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	8	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	12	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	17	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	21	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	22	0.11
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	23	0.11
(1,105)	1:117:A:ARG:HB2	1:117:A:ARG:HD2	8	0.11
(1,3572)	1:104:A:GLU:HG2	1:99:A:PHE:HZ	18	0.1
(1,3572)	1:99:A:PHE:HZ	1:104:A:GLU:HG3	24	0.1
(1,3509)	1:88:A:LEU:HD23	1:130:A:LEU:H	21	0.1
(1,3460)	1:121:A:ALA:H	1:119:A:ARG:HB3	11	0.1
(1,3450)	1:112:A:VAL:H	1:108:A:ILE:HG23	14	0.1
(1,3446)	1:112:A:VAL:HG12	1:111:A:ARG:H	2	0.1
(1,3445)	1:111:A:ARG:H	1:109:A:LEU:HB3	13	0.1
(1,3410)	1:104:A:GLU:H	1:59:A:TYR:HE1	6	0.1
(1,3387)	1:95:A:ALA:H	1:94:A:ARG:HB3	7	0.1
(1,3386)	1:95:A:ALA:H	1:94:A:ARG:HB2	4	0.1
(1,3386)	1:95:A:ALA:H	1:94:A:ARG:HB2	21	0.1
(1,3380)	1:93:A:GLN:HE22	1:89:A:TYR:HB3	22	0.1
(1,3368)	1:92:A:GLN:HE21	1:64:A:GLU:HG3	22	0.1
(1,3310)	1:123:A:LEU:HD22	1:77:A:GLN:HE21	11	0.1
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD13	9	0.1
(1,3277)	1:71:A:LEU:H	1:113:A:LEU:HD22	24	0.1
(1,3271)	1:70:A:PHE:H	1:69:A:GLU:HB3	5	0.1
(1,3265)	1:69:A:GLU:H	1:70:A:PHE:HB3	6	0.1
(1,3169)	1:142:A:LYS:HG3	1:142:A:LYS:H	20	0.1
(1,3158)	1:125:A:VAL:HG13	1:129:A:GLU:HG3	17	0.1
(1,3145)	1:85:A:VAL:HG23	1:74:A:CYS:H	24	0.1
(1,3131)	1:138:A:SER:HA	1:95:A:ALA:HB2	4	0.1
(1,3063)	1:124:A:TYR:HA	1:127:A:ILE:HG13	19	0.1
(1,3063)	1:124:A:TYR:HA	1:127:A:ILE:HG13	22	0.1
(1,3054)	1:123:A:LEU:HA	1:126:A:TYR:HE2	21	0.1
(1,3006)	1:108:A:ILE:HG23	1:133:A:VAL:HA	9	0.1
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	3	0.1
(1,2992)	1:101:A:ALA:HA	1:100:A:LEU:HB3	14	0.1
(1,2980)	1:99:A:PHE:HB2	1:95:A:ALA:HB2	5	0.1
(1,2946)	1:89:A:TYR:HA	1:134:A:LEU:HD11	3	0.1
(1,2939)	1:88:A:LEU:HD11	1:84:A:VAL:HB	25	0.1
(1,2923)	1:85:A:VAL:HA	1:86:A:PRO:HD3	4	0.1
(1,2923)	1:85:A:VAL:HA	1:86:A:PRO:HD3	6	0.1
(1,2860)	1:66:A:LEU:HA	1:113:A:LEU:HD13	21	0.1
(1,2858)	1:135:A:LYS:HE3	1:135:A:LYS:HB2	2	0.1
(1,2853)	1:61:A:LEU:HD22	1:61:A:LEU:H	9	0.1
(1,2841)	1:62:A:GLU:HB2	1:59:A:TYR:HE2	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:133:A:VAL:HG23	1:130:A:LEU:HA	6	0.1
(1,2834)	1:133:A:VAL:HG21	1:130:A:LEU:HA	15	0.1
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HG	6	0.1
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HG	10	0.1
(1,2830)	1:61:A:LEU:HA	1:61:A:LEU:HG	15	0.1
(1,2823)	1:117:A:ARG:HA	1:117:A:ARG:HB3	21	0.1
(1,2817)	1:69:A:GLU:HB3	1:69:A:GLU:HA	8	0.1
(1,2803)	1:125:A:VAL:HG12	1:125:A:VAL:HA	17	0.1
(1,2803)	1:125:A:VAL:HG11	1:125:A:VAL:HA	19	0.1
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	2	0.1
(1,2801)	1:85:A:VAL:HG21	1:75:A:LYS:HE2	3	0.1
(1,2782)	1:113:A:LEU:HD11	1:66:A:LEU:HD21	21	0.1
(1,2780)	1:123:A:LEU:HD12	1:126:A:TYR:HD2	20	0.1
(1,2769)	1:113:A:LEU:HG	1:113:A:LEU:HD23	10	0.1
(1,2769)	1:61:A:LEU:HD12	1:61:A:LEU:HB3	18	0.1
(1,2769)	1:61:A:LEU:HD13	1:61:A:LEU:HB3	20	0.1
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	2	0.1
(1,2762)	1:73:A:LEU:HD21	1:70:A:PHE:HA	11	0.1
(1,2761)	1:100:A:LEU:HD13	1:95:A:ALA:HB3	12	0.1
(1,2695)	1:103:A:ALA:HB3	1:59:A:TYR:HD1	24	0.1
(1,2677)	1:87:A:PHE:HB2	1:87:A:PHE:HD1	8	0.1
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	13	0.1
(1,2673)	1:88:A:LEU:H	1:87:A:PHE:HD1	25	0.1
(1,2663)	1:70:A:PHE:HD1	1:67:A:PHE:HE1	9	0.1
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	8	0.1
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	18	0.1
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	22	0.1
(1,2628)	1:105:A:PHE:H	1:105:A:PHE:HD1	25	0.1
(1,2584)	1:57:A:LYS:H	1:57:A:LYS:HE3	22	0.1
(1,2520)	1:135:A:LYS:HB2	1:136:A:ALA:H	23	0.1
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	2	0.1
(1,2515)	1:136:A:ALA:H	1:137:A:HIS:HE1	25	0.1
(1,2415)	1:124:A:TYR:HB3	1:124:A:TYR:H	3	0.1
(1,2413)	1:124:A:TYR:H	1:124:A:TYR:HD1	8	0.1
(1,2389)	1:121:A:ALA:H	1:119:A:ARG:HD3	3	0.1
(1,2349)	1:109:A:LEU:HD13	1:109:A:LEU:H	3	0.1
(1,2349)	1:109:A:LEU:HD11	1:109:A:LEU:H	24	0.1
(1,2240)	1:99:A:PHE:H	1:100:A:LEU:HD23	12	0.1
(1,2202)	1:93:A:GLN:HG2	1:94:A:ARG:H	15	0.1
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	14	0.1
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	20	0.1
(1,2189)	1:93:A:GLN:HE21	1:90:A:ASN:HA	22	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:90:A:ASN:HD21	1:92:A:GLN:H	18	0.1
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	1	0.1
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	18	0.1
(1,2133)	1:90:A:ASN:H	1:89:A:TYR:HD1	19	0.1
(1,2119)	1:71:A:LEU:HD13	1:88:A:LEU:H	25	0.1
(1,2094)	1:82:A:PRO:HB3	1:83:A:GLU:H	17	0.1
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	5	0.1
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	11	0.1
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	13	0.1
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	19	0.1
(1,2089)	1:81:A:HIS:HB3	1:81:A:HIS:H	20	0.1
(1,2039)	1:73:A:LEU:HD23	1:76:A:MET:H	22	0.1
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	6	0.1
(1,2002)	1:70:A:PHE:H	1:74:A:CYS:H	7	0.1
(1,1997)	1:88:A:LEU:H	1:87:A:PHE:HD1	8	0.1
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	4	0.1
(1,1990)	1:69:A:GLU:H	1:67:A:PHE:HD1	13	0.1
(1,1971)	1:67:A:PHE:H	1:67:A:PHE:HD1	25	0.1
(1,1968)	1:66:A:LEU:HD12	1:66:A:LEU:H	7	0.1
(1,1950)	1:64:A:GLU:HB3	1:64:A:GLU:H	4	0.1
(1,1950)	1:64:A:GLU:HB3	1:64:A:GLU:H	16	0.1
(1,1950)	1:64:A:GLU:HB3	1:64:A:GLU:H	17	0.1
(1,1852)	1:98:A:LEU:HG	1:99:A:PHE:H	19	0.1
(1,1849)	1:95:A:ALA:H	1:134:A:LEU:HD22	23	0.1
(1,1828)	1:113:A:LEU:HD22	1:69:A:GLU:H	25	0.1
(1,1807)	1:68:A:GLU:H	1:68:A:GLU:HB2	1	0.1
(1,1785)	1:71:A:LEU:HD23	1:71:A:LEU:H	1	0.1
(1,1769)	1:64:A:GLU:HG2	1:60:A:LYS:HG3	1	0.1
(1,1744)	1:129:A:GLU:HG3	1:129:A:GLU:HA	24	0.1
(1,1720)	1:85:A:VAL:HG13	1:89:A:TYR:H	15	0.1
(1,1684)	1:139:A:ALA:HA	1:96:A:HIS:H	4	0.1
(1,1663)	1:136:A:ALA:HB2	1:137:A:HIS:HA	24	0.1
(1,1661)	1:136:A:ALA:HB2	1:133:A:VAL:H	1	0.1
(1,1650)	1:135:A:LYS:HA	1:135:A:LYS:HD2	13	0.1
(1,1575)	1:129:A:GLU:HA	1:128:A:ASN:HB3	24	0.1
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	4	0.1
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	11	0.1
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	14	0.1
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	17	0.1
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	24	0.1
(1,1568)	1:128:A:ASN:HA	1:129:A:GLU:H	25	0.1
(1,1563)	1:127:A:ILE:HD11	1:126:A:TYR:H	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:127:A:ILE:HD12	1:127:A:ILE:H	8	0.1
(1,1558)	1:127:A:ILE:HD11	1:127:A:ILE:H	14	0.1
(1,1517)	1:125:A:VAL:HG21	1:124:A:TYR:H	8	0.1
(1,1517)	1:125:A:VAL:HG21	1:124:A:TYR:H	12	0.1
(1,1484)	1:123:A:LEU:HD21	1:124:A:TYR:HD1	11	0.1
(1,1476)	1:123:A:LEU:HA	1:123:A:LEU:HB3	20	0.1
(1,1471)	1:119:A:ARG:HD2	1:122:A:LYS:HD2	9	0.1
(1,1422)	1:119:A:ARG:HB2	1:122:A:LYS:H	18	0.1
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	7	0.1
(1,1418)	1:118:A:SER:HB3	1:117:A:ARG:H	12	0.1
(1,1380)	1:114:A:SER:HB2	1:115:A:ARG:HG3	16	0.1
(1,1349)	1:112:A:VAL:HA	1:111:A:ARG:H	22	0.1
(1,1349)	1:112:A:VAL:HA	1:111:A:ARG:H	25	0.1
(1,1325)	1:67:A:PHE:HA	1:109:A:LEU:HD11	4	0.1
(1,1320)	1:109:A:LEU:HD11	1:63:A:ASN:H	18	0.1
(1,1301)	1:108:A:ILE:HD13	1:108:A:ILE:H	12	0.1
(1,1271)	1:107:A:ASN:HB3	1:108:A:ILE:HB	2	0.1
(1,1226)	1:103:A:ALA:HB1	1:107:A:ASN:H	6	0.1
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	17	0.1
(1,1211)	1:102:A:SER:HB2	1:104:A:GLU:H	18	0.1
(1,1199)	1:101:A:ALA:HA	1:59:A:TYR:HB3	20	0.1
(1,1183)	1:100:A:LEU:HD22	1:100:A:LEU:H	11	0.1
(1,1150)	1:109:A:LEU:HD12	1:113:A:LEU:HD12	10	0.1
(1,1150)	1:109:A:LEU:HD11	1:113:A:LEU:HD13	13	0.1
(1,1148)	1:98:A:LEU:HD11	1:96:A:HIS:HD2	25	0.1
(1,1122)	1:134:A:LEU:HA	1:95:A:ALA:HB2	7	0.1
(1,1116)	1:94:A:ARG:HD2	1:90:A:ASN:HB3	4	0.1
(1,1020)	1:88:A:LEU:HD22	1:70:A:PHE:HD1	3	0.1
(1,1006)	1:88:A:LEU:HD13	1:89:A:TYR:H	8	0.1
(1,968)	1:86:A:PRO:HD3	1:84:A:VAL:H	1	0.1
(1,965)	1:86:A:PRO:HG3	1:85:A:VAL:H	23	0.1
(1,961)	1:83:A:GLU:HA	1:86:A:PRO:HG3	24	0.1
(1,952)	1:86:A:PRO:HB3	1:87:A:PHE:H	17	0.1
(1,933)	1:133:A:VAL:HG23	1:132:A:THR:HB	2	0.1
(1,933)	1:133:A:VAL:HG22	1:132:A:THR:HB	21	0.1
(1,933)	1:133:A:VAL:HG23	1:132:A:THR:HB	25	0.1
(1,923)	1:84:A:VAL:HG13	1:88:A:LEU:H	5	0.1
(1,923)	1:84:A:VAL:HG13	1:88:A:LEU:H	9	0.1
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	9	0.1
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	16	0.1
(1,894)	1:83:A:GLU:HA	1:86:A:PRO:HD3	22	0.1
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	4	0.1
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	14	0.1
(1,882)	1:82:A:PRO:HB2	1:82:A:PRO:HD3	25	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	2	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	11	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	13	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	14	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	16	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	22	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	23	0.1
(1,874)	1:82:A:PRO:HA	1:82:A:PRO:HD2	24	0.1
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	17	0.1
(1,860)	1:80:A:ASP:HB2	1:81:A:HIS:H	23	0.1
(1,792)	1:73:A:LEU:HD23	1:70:A:PHE:HD2	24	0.1
(1,773)	1:71:A:LEU:HD12	1:72:A:GLU:HG2	22	0.1
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	10	0.1
(1,745)	1:71:A:LEU:HB3	1:71:A:LEU:H	23	0.1
(1,712)	1:104:A:GLU:HA	1:107:A:ASN:HD22	19	0.1
(1,688)	1:66:A:LEU:HD12	1:110:A:SER:HA	14	0.1
(1,683)	1:66:A:LEU:HG	1:62:A:GLU:HG2	17	0.1
(1,660)	1:64:A:GLU:HG2	1:64:A:GLU:H	10	0.1
(1,660)	1:64:A:GLU:HG2	1:64:A:GLU:H	24	0.1
(1,615)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	23	0.1
(1,596)	1:60:A:LYS:HA	1:63:A:ASN:HB3	9	0.1
(1,596)	1:60:A:LYS:HA	1:63:A:ASN:HB3	16	0.1
(1,592)	1:59:A:TYR:HB2	1:63:A:ASN:H	5	0.1
(1,574)	1:75:A:LYS:HE3	1:75:A:LYS:HB2	2	0.1
(1,557)	1:57:A:LYS:HA	1:58:A:CYS:H	17	0.1
(1,550)	1:62:A:GLU:HB2	1:59:A:TYR:HD1	17	0.1
(1,527)	1:133:A:VAL:HB	1:130:A:LEU:HD13	10	0.1
(1,482)	1:61:A:LEU:HB3	1:61:A:LEU:HA	4	0.1
(1,475)	1:91:A:ARG:HA	1:91:A:ARG:HD2	17	0.1
(1,474)	1:93:A:GLN:HG2	1:93:A:GLN:HA	22	0.1
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	7	0.1
(1,465)	1:113:A:LEU:HA	1:113:A:LEU:HB3	23	0.1
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	7	0.1
(1,459)	1:65:A:LYS:HA	1:65:A:LYS:HB2	22	0.1
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	9	0.1
(1,454)	1:65:A:LYS:HA	1:68:A:GLU:HB2	10	0.1
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	20	0.1
(1,445)	1:72:A:GLU:HA	1:72:A:GLU:HG2	21	0.1
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:62:A:GLU:HB3	1:62:A:GLU:HA	12	0.1
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	12	0.1
(1,424)	1:64:A:GLU:HG3	1:64:A:GLU:HA	22	0.1
(1,403)	1:70:A:PHE:HA	1:70:A:PHE:HD2	12	0.1
(1,399)	1:107:A:ASN:HB3	1:107:A:ASN:H	17	0.1
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	17	0.1
(1,373)	1:108:A:ILE:HG22	1:108:A:ILE:HG12	20	0.1
(1,373)	1:108:A:ILE:HG23	1:108:A:ILE:HG12	21	0.1
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	10	0.1
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	11	0.1
(1,323)	1:127:A:ILE:HA	1:127:A:ILE:HG13	16	0.1
(1,303)	1:95:A:ALA:HB1	1:95:A:ALA:H	1	0.1
(1,298)	1:101:A:ALA:HB1	1:101:A:ALA:H	5	0.1
(1,267)	1:125:A:VAL:HG23	1:125:A:VAL:HA	11	0.1
(1,265)	1:112:A:VAL:HG21	1:112:A:VAL:HG12	13	0.1
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	3	0.1
(1,188)	1:122:A:LYS:HG2	1:122:A:LYS:HB2	16	0.1
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	4	0.1
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD23	5	0.1
(1,163)	1:123:A:LEU:HG	1:123:A:LEU:HD21	6	0.1
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	1	0.1
(1,121)	1:108:A:ILE:HG13	1:108:A:ILE:HB	11	0.1
(1,90)	1:88:A:LEU:HD11	1:127:A:ILE:HD13	7	0.1
(1,51)	1:88:A:LEU:HD22	1:71:A:LEU:HD23	12	0.1

10 Dihedral-angle violation analysis

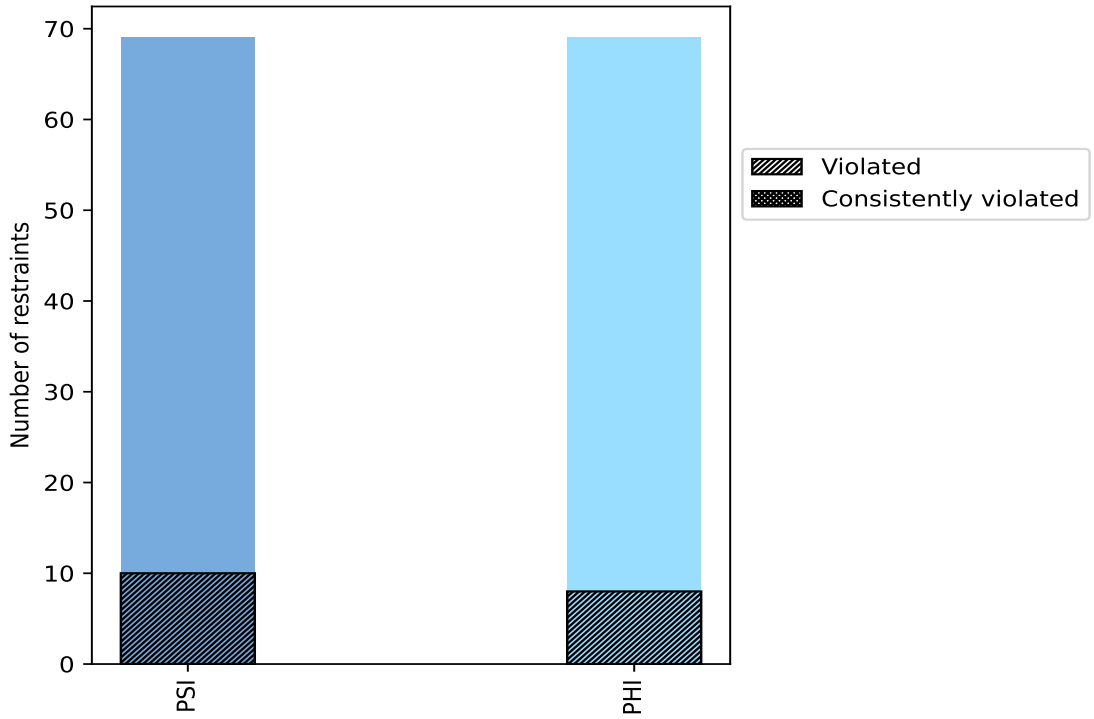
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	69	50.0	10	14.5	7.2	0	0.0	0.0
PHI	69	50.0	8	11.6	5.8	0	0.0	0.0
Total	138	100.0	18	13.0	13.0	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



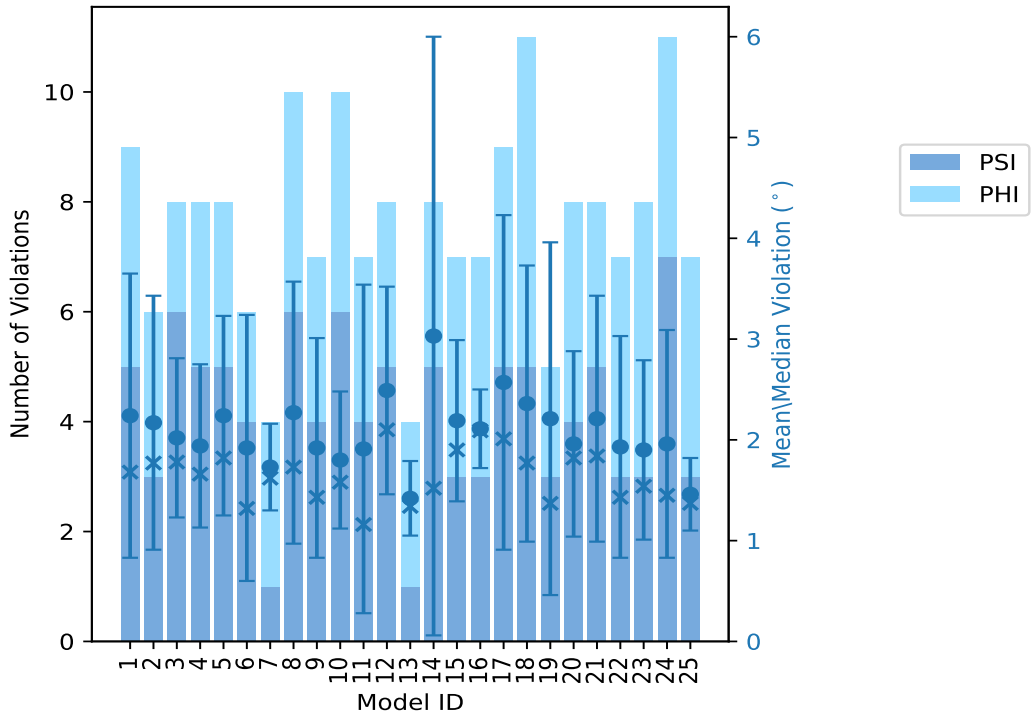
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	5	4	9	2.24	5.81	1.41	1.68
2	3	3	6	2.17	4.75	1.26	1.77
3	6	2	8	2.02	3.39	0.79	1.78
4	5	3	8	1.94	4.03	0.81	1.66
5	5	3	8	2.24	4.37	0.99	1.82
6	4	2	6	1.92	4.79	1.32	1.32
7	1	3	4	1.73	2.42	0.43	1.62
8	6	4	10	2.27	5.05	1.3	1.73
9	4	3	7	1.92	4.48	1.09	1.43
10	6	4	10	1.8	3.23	0.68	1.58
11	4	3	7	1.91	5.85	1.63	1.16
12	5	3	8	2.49	5.06	1.03	2.1
13	1	3	4	1.42	1.97	0.37	1.34
14	5	3	8	3.03	10.27	2.97	1.52
15	3	4	7	2.19	3.25	0.8	1.9
16	3	4	7	2.11	2.65	0.39	2.09
17	5	4	9	2.57	6.63	1.66	2.01
18	5	6	11	2.36	6.02	1.37	1.77
19	3	2	5	2.21	5.66	1.75	1.37
20	4	4	8	1.96	4.22	0.92	1.82
21	5	3	8	2.21	5.34	1.22	1.84
22	3	4	7	1.93	4.17	1.1	1.43
23	3	5	8	1.9	4.17	0.89	1.54
24	7	4	11	1.96	4.9	1.13	1.45
25	3	4	7	1.46	2.17	0.36	1.37

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
3	0	3	1	4.0
1	1	2	2	8.0
0	0	0	3	12.0
0	2	2	4	16.0
0	0	0	5	20.0
0	0	0	6	24.0
0	2	2	7	28.0
1	0	1	8	32.0
0	0	0	9	36.0
0	0	0	10	40.0
0	0	0	11	44.0

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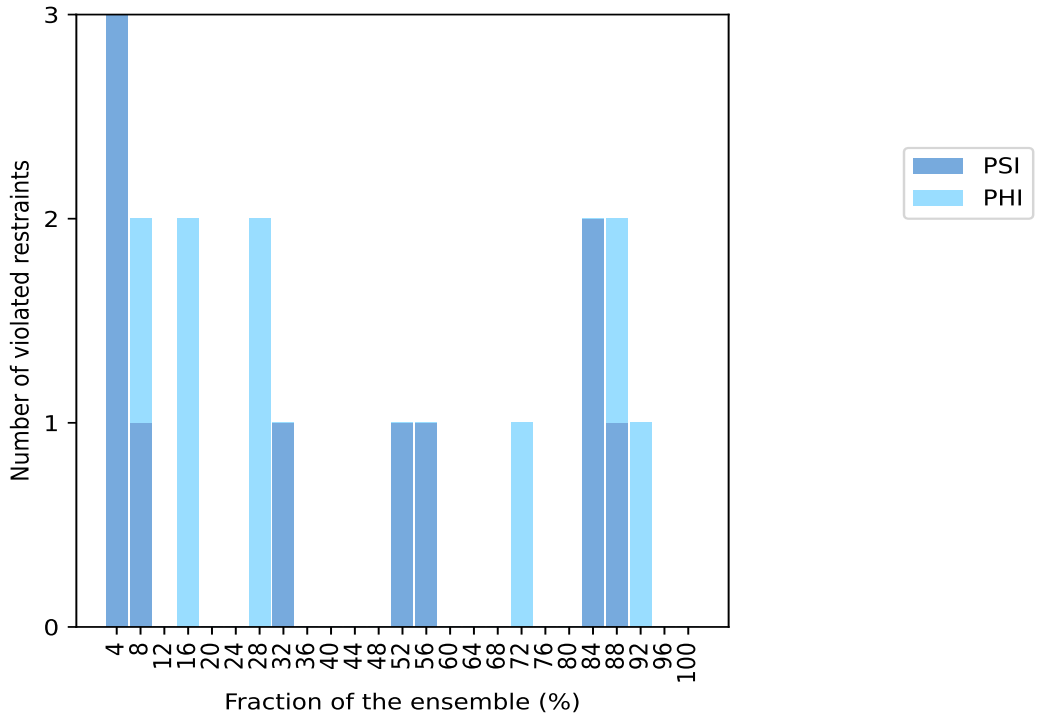
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	48.0
1	0	1	13	52.0
1	0	1	14	56.0
0	0	0	15	60.0
0	0	0	16	64.0
0	0	0	17	68.0
0	1	1	18	72.0
0	0	0	19	76.0
0	0	0	20	80.0
2	0	2	21	84.0
1	1	2	22	88.0
0	1	1	23	92.0
0	0	0	24	96.0
0	0	0	25	100.0

[1] Number of models with violations

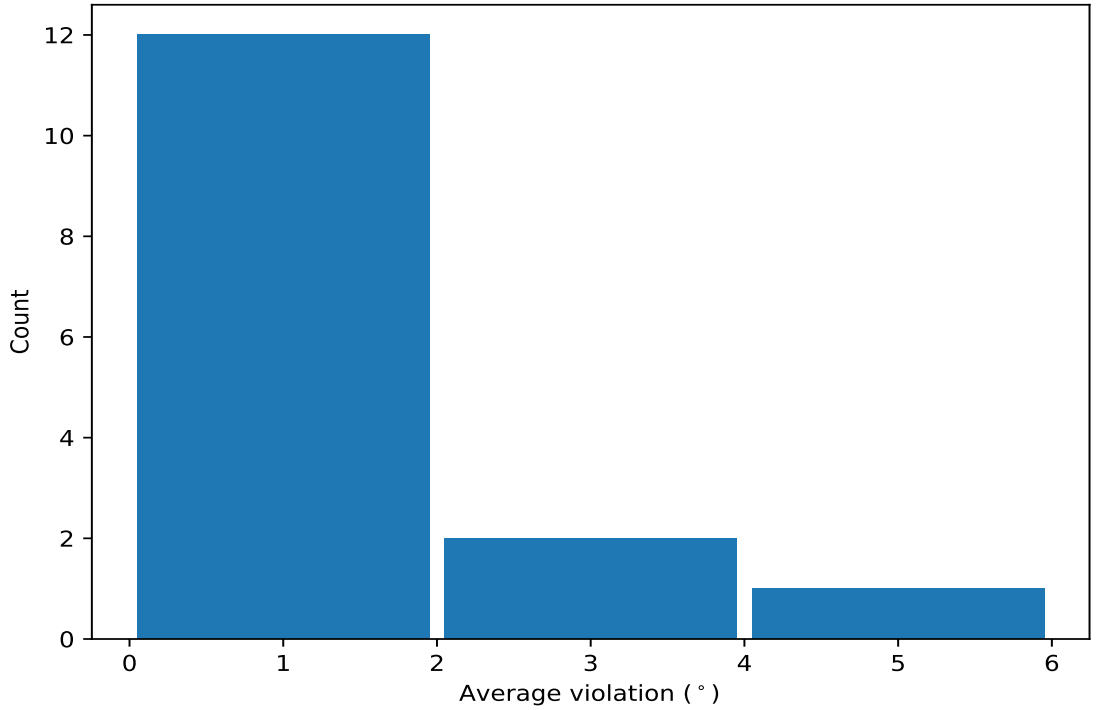
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	23	1.75	0.31	1.73
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	22	1.95	0.53	1.98
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	22	1.68	0.4	1.66
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	21	4.54	0.94	4.75
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	21	1.75	0.87	1.31
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	18	1.35	0.28	1.25
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	14	1.45	0.25	1.4
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	13	1.87	0.6	1.65
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	8	3.96	2.94	3.38
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	7	2.32	0.81	2.38
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	7	1.7	0.54	1.56
(1,56)	1:123:A:LEU:C	1:124:A:TYR:N	1:124:A:TYR:CA	1:124:A:TYR:C	4	1.81	0.6	1.76
(1,58)	1:125:A:VAL:C	1:126:A:TYR:N	1:126:A:TYR:CA	1:126:A:TYR:C	4	1.14	0.13	1.08

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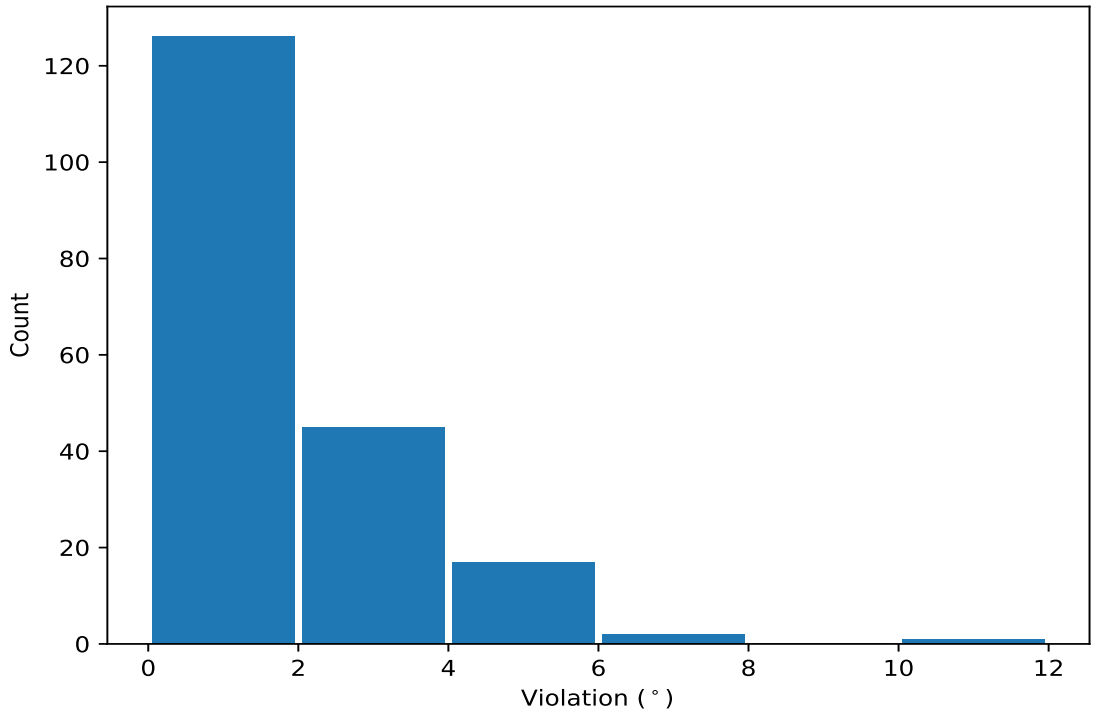
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,136)	1:135:A:LYS:N	1:135:A:LYS:CA	1:135:A:LYS:C	1:136:A:ALA:N	2	1.52	0.25	1.52
(1,61)	1:128:A:ASN:C	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	2	1.4	0.38	1.4

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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

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 (°)
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	14	10.27
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	17	6.63
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	18	6.02
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	11	5.85
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	1	5.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	19	5.66
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	21	5.34
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	12	5.06
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	8	5.05
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	14	4.9
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	24	4.9
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	6	4.79
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	2	4.75
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	9	4.48
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	8	4.47
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	5	4.37
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	20	4.22
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	23	4.17
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	22	4.17
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	4	4.03
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	24	3.49
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	17	3.43
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	17	3.4
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	3	3.39
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	5	3.34
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	18	3.27
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	15	3.25
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	10	3.23
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	3	3.19
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	15	3.04
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	18	3.04
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	15	2.94
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	1	2.9
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	12	2.84
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	22	2.81
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	10	2.71
(1,70)	1:60:A:LYS:N	1:60:A:LYS:CA	1:60:A:LYS:C	1:61:A:LEU:N	16	2.65
(1,56)	1:123:A:LEU:C	1:124:A:TYR:N	1:124:A:TYR:CA	1:124:A:TYR:C	18	2.57
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	1	2.52
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	16	2.52
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	18	2.49
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	17	2.47
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	1	2.45
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	2	2.42
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	7	2.42
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	12	2.38
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	8	2.38
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	16	2.37
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	14	2.34
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	21	2.26
(1,56)	1:123:A:LEU:C	1:124:A:TYR:N	1:124:A:TYR:CA	1:124:A:TYR:C	2	2.23
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	10	2.21
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	25	2.17
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	9	2.16
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	12	2.14
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	20	2.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	3	2.11
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	16	2.09
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	12	2.06
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	22	2.04
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	20	2.01
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	21	2.01
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	17	2.01
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	8	2.0
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	23	2.0
(1,135)	1:134:A:LEU:N	1:134:A:LEU:CA	1:134:A:LEU:C	1:135:A:LYS:N	24	1.99
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	6	1.97
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	13	1.97
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	12	1.96
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	4	1.96
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	5	1.96
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	21	1.95
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	12	1.95
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	5	1.93
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	23	1.93
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	3	1.92
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	24	1.91
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	15	1.9
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	16	1.89
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	4	1.87
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	20	1.83
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	10	1.83
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	19	1.82
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	20	1.81
(1,136)	1:135:A:LYS:N	1:135:A:LYS:CA	1:135:A:LYS:C	1:136:A:ALA:N	8	1.77
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	4	1.77
(1,61)	1:128:A:ASN:C	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	18	1.77
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	7	1.76
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	10	1.75
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	21	1.73
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	11	1.71
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	5	1.7
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	5	1.7
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	5	1.69
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	18	1.69
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	8	1.69
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1	1.68
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	15	1.66
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	3	1.65
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	9	1.65
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	16	1.65
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	25	1.63
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	24	1.63
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	16	1.61
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	18	1.61
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	21	1.56
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	21	1.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	25	1.56
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	4	1.56
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	8	1.55
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	23	1.55
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	14	1.54
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	12	1.53
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	11	1.53
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	23	1.52
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	13	1.51
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	14	1.49
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	4	1.48
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	4	1.47
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	7	1.47
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	17	1.47
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	24	1.45
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	14	1.44
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	22	1.43
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	9	1.43
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	23	1.42
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	6	1.42
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	10	1.41
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	4	1.41
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	24	1.4
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	3	1.4
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	17	1.37
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	25	1.37
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	19	1.37
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	25	1.37
(1,58)	1:125:A:VAL:C	1:126:A:TYR:N	1:126:A:TYR:CA	1:126:A:TYR:C	23	1.36
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	9	1.36
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	9	1.35
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	10	1.35
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	18	1.34
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	1	1.34
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	8	1.33
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	2	1.31
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	15	1.31
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	23	1.29
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	24	1.28
(1,56)	1:123:A:LEU:C	1:124:A:TYR:N	1:124:A:TYR:CA	1:124:A:TYR:C	7	1.28
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	21	1.28
(1,136)	1:135:A:LYS:N	1:135:A:LYS:CA	1:135:A:LYS:C	1:136:A:ALA:N	3	1.27
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	24	1.27
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	2	1.27
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	20	1.27
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	8	1.24
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	8	1.23
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	15	1.23
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	20	1.23
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	6	1.22
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	5	1.22

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	1	1.21
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	3	1.21
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	1	1.2
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	17	1.19
(1,114)	1:111:A:ARG:N	1:111:A:ARG:CA	1:111:A:ARG:C	1:112:A:VAL:N	20	1.19
(1,74)	1:64:A:GLU:N	1:64:A:GLU:CA	1:64:A:GLU:C	1:65:A:LYS:N	10	1.19
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	14	1.18
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	10	1.17
(1,56)	1:123:A:LEU:C	1:124:A:TYR:N	1:124:A:TYR:CA	1:124:A:TYR:C	13	1.17
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	11	1.16
(1,138)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:LYS:N	19	1.14
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	10	1.14
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	17	1.14
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	14	1.12
(1,58)	1:125:A:VAL:C	1:126:A:TYR:N	1:126:A:TYR:CA	1:126:A:TYR:C	24	1.11
(1,11)	1:69:A:GLU:C	1:70:A:PHE:N	1:70:A:PHE:CA	1:70:A:PHE:C	24	1.11
(1,130)	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	1:130:A:LEU:N	11	1.09
(1,96)	1:89:A:TYR:N	1:89:A:TYR:CA	1:89:A:TYR:C	1:90:A:ASN:N	6	1.09
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	18	1.08
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	1	1.08
(1,71)	1:61:A:LEU:N	1:61:A:LEU:CA	1:61:A:LEU:C	1:62:A:GLU:N	25	1.05
(1,58)	1:125:A:VAL:C	1:126:A:TYR:N	1:126:A:TYR:CA	1:126:A:TYR:C	18	1.05
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	2	1.05
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	19	1.05
(1,26)	1:87:A:PHE:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	6	1.05
(1,58)	1:125:A:VAL:C	1:126:A:TYR:N	1:126:A:TYR:CA	1:126:A:TYR:C	25	1.04
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	22	1.03
(1,25)	1:86:A:PRO:C	1:87:A:PHE:N	1:87:A:PHE:CA	1:87:A:PHE:C	11	1.03
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	9	1.02
(1,116)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:SER:N	11	1.02
(1,61)	1:128:A:ASN:C	1:129:A:GLU:N	1:129:A:GLU:CA	1:129:A:GLU:C	22	1.02
(1,55)	1:122:A:LYS:C	1:123:A:LEU:N	1:123:A:LEU:CA	1:123:A:LEU:C	22	1.02
(1,29)	1:90:A:ASN:C	1:91:A:ARG:N	1:91:A:ARG:CA	1:91:A:ARG:C	13	1.02